

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061919\
 Data File : VW010846.D
 Acq On : 19 Jun 2019 11:43
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 20 05:46:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	284673	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	455930	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	400407	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	188267	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	154579	46.07	ug/l	0.00
Spiked Amount			Recovery	=	92.14%	
35) Dibromofluoromethane	7.88	113	122812	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
50) Toluene-d8	10.32	98	518395	47.77	ug/l	0.00
Spiked Amount			Recovery	=	95.54%	
62) 4-Bromofluorobenzene	12.62	95	187322	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	116208	44.174	ug/l	99
3) Chloromethane	2.21	50	171538	44.320	ug/l	99
4) Vinyl Chloride	2.35	62	162871	45.547	ug/l	99
5) Bromomethane	2.76	94	89561	45.608	ug/l	97
6) Chloroethane	2.91	64	100141	46.654	ug/l	100
7) Trichlorofluoromethane	3.25	101	237302	51.122	ug/l	99
8) Diethyl Ether	3.68	74	77914	46.968	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	146190	51.225	ug/l	98
10) Methyl Iodide	4.27	142	130416	44.902	ug/l	98
11) Tert butyl alcohol	5.17	59	69109	252.819	ug/l	95
12) 1,1-Dichloroethene	4.03	96	137221	49.844	ug/l	94
13) Acrolein	3.90	56	22310	199.729	ug/l	99
14) Allyl chloride	4.67	41	324425	53.446	ug/l	98
15) Acrylonitrile	5.37	53	184345	228.744	ug/l	100
16) Acetone	4.12	43	227688	253.251	ug/l	99
17) Carbon Disulfide	4.38	76	416577	47.668	ug/l	99
18) Methyl Acetate	4.67	43	91115	47.080	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	376026	47.358	ug/l	99
20) Methylene Chloride	4.92	84	147225	46.679	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	156664	50.129	ug/l	92
22) Diisopropyl ether	6.31	45	629992	51.840	ug/l	99
23) Vinyl Acetate	6.25	43	1830463	249.585	ug/l	99
24) 1,1-Dichloroethane	6.21	63	318733	52.336	ug/l	99
25) 2-Butanone	7.17	43	305899	245.372	ug/l	98
26) 2,2-Dichloropropane	7.17	77	288109	58.136	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	175500	51.028	ug/l	96
28) Bromochloromethane	7.51	49	126457	46.528	ug/l	95
29) Tetrahydrofuran	7.53	42	174567	222.620	ug/l	98
30) Chloroform	7.68	83	290685	52.183	ug/l	100
31) Cyclohexane	7.95	56	331635	48.986	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	260714	53.578	ug/l	100
36) 1,1-Dichloropropene	8.08	75	246974	52.920	ug/l	100
37) Ethyl Acetate	7.25	43	119982	46.394	ug/l	98
38) Carbon Tetrachloride	8.07	117	221732	55.037	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	311286	52.469	ug/l	99
40) Benzene	8.32	78	664010	52.154	ug/l	99
41) Methacrylonitrile	7.48	41	73067	47.532	ug/l	98
42) 1,2-Dichloroethane	8.40	62	205573	50.874	ug/l	99
43) Isopropyl Acetate	8.42	43	241880	48.412	ug/l	99
44) Trichloroethene	9.09	130	163884	52.182	ug/l	99
45) 1,2-Dichloropropane	9.37	63	176761	52.447	ug/l	98
46) Dibromomethane	9.46	93	77145	49.281	ug/l	98
47) Bromodichloromethane	9.64	83	216051	53.244	ug/l	97
48) Methyl methacrylate	9.44	41	115601	47.988	ug/l	99
49) 1,4-Dioxane	9.45	88	21063	860.618	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	606099	237.456	ug/l	99
52) Toluene	10.39	92	407277	51.991	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	223805	52.072	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	267632	52.918	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	110009	48.782	ug/l	99
56) Ethyl methacrylate	10.65	69	166791	48.066	ug/l	96
57) 1,3-Dichloropropane	10.93	76	209944	49.400	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	414949	228.305	ug/l	100
59) 2-Hexanone	10.97	43	442465	239.854	ug/l	99
60) Dibromochloromethane	11.13	129	126989	50.798	ug/l	99
61) 1,2-Dibromoethane	11.24	107	103587	48.481	ug/l	99
64) Tetrachloroethene	10.86	164	135044	50.796	ug/l	97
65) Chlorobenzene	11.66	112	409715	52.034	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	144961	53.183	ug/l	99
67) Ethyl Benzene	11.73	91	808294	53.414	ug/l	99
68) m/p-Xylenes	11.84	106	570415	105.300	ug/l	98
69) o-Xylene	12.17	106	269050	52.368	ug/l	98
70) Styrene	12.18	104	467196	52.348	ug/l	99
71) Bromoform	12.35	173	69627	49.392	ug/l	100
73) Isopropylbenzene	12.46	105	772890	54.631	ug/l	99
74) N-amyl acetate	12.27	43	225205	49.254	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	130819	48.572	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	178649	90.361	ug/l #	100
77) Bromobenzene	12.75	156	159800	51.746	ug/l	98
78) n-propylbenzene	12.80	91	932451	54.660	ug/l	100
79) 2-Chlorotoluene	12.90	91	525151	53.883	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	623417	53.836	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	43729	50.835	ug/l	99
82) 4-Chlorotoluene	12.99	91	539592	53.650	ug/l	99
83) tert-Butylbenzene	13.21	119	534789	54.416	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	620068	53.212	ug/l	100
85) sec-Butylbenzene	13.38	105	780704	54.561	ug/l	100
86) p-Isopropyltoluene	13.50	119	688634	53.817	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	313204	52.591	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	307769	52.128	ug/l	99
89) n-Butylbenzene	13.83	91	704601	55.190	ug/l	100
90) Hexachloroethane	14.10	117	130779	57.071	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	273287	51.027	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22074	47.728	ug/l	95

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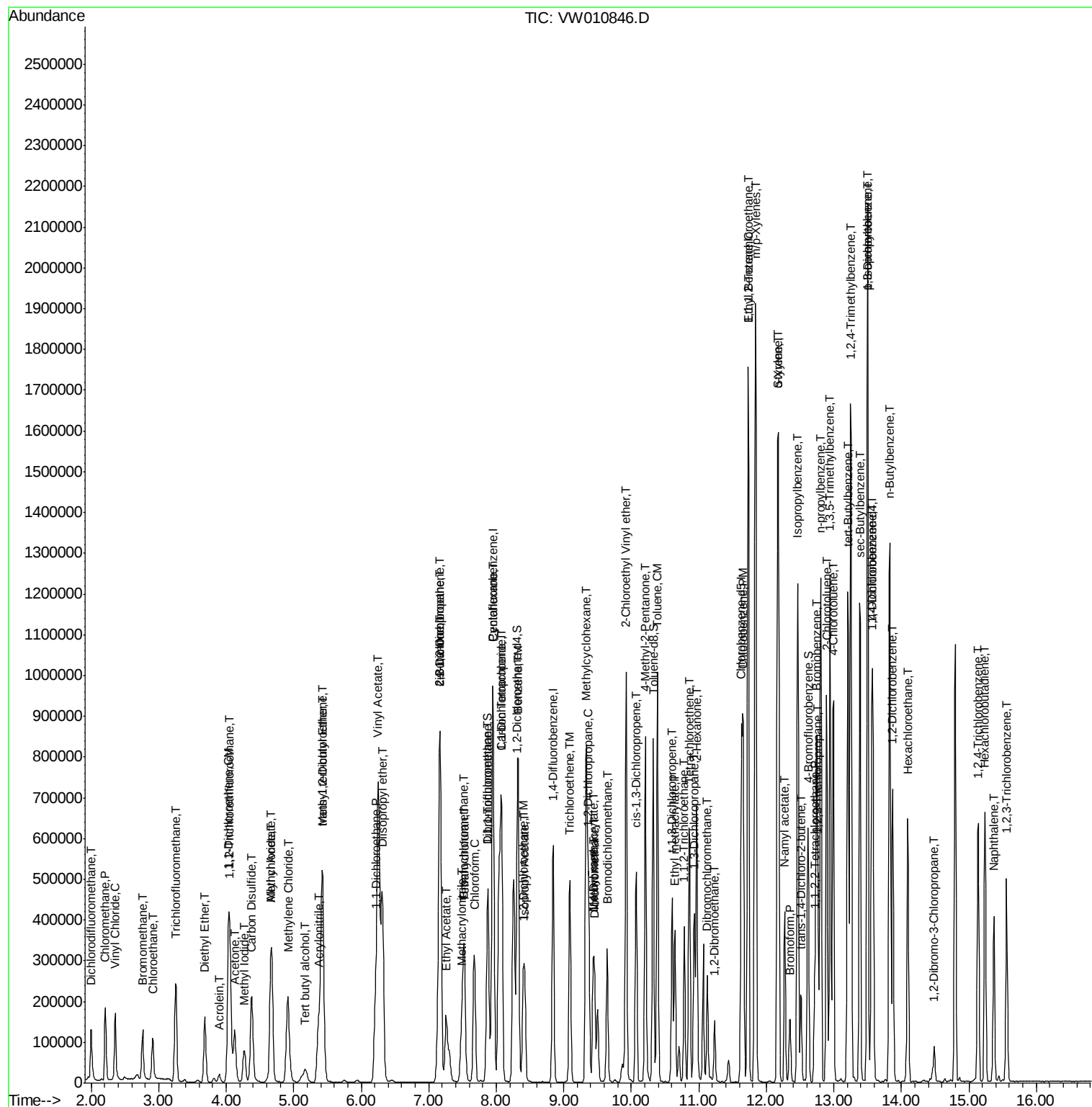
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	194675	51.798	ug/l	99
94) Hexachlorobutadiene	15.24	225	125247	53.098	ug/l	99
95) Naphthalene	15.37	128	330804	48.445	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	166820	52.192	ug/l	99

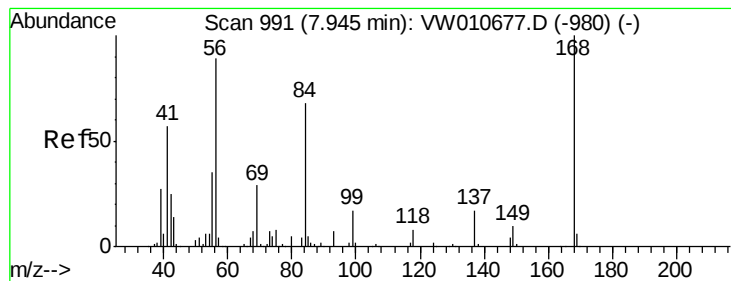
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW061919\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

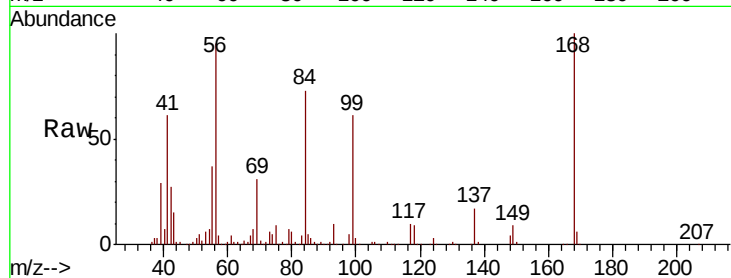
VSTDCCC050

Tot Ion:168 Resp: 284673

Ion Ratio Lower Upper

168 100

99 61.3 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

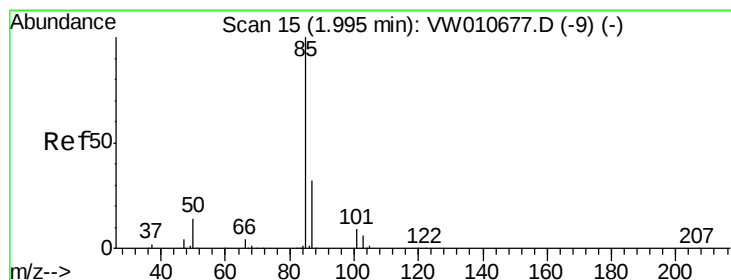
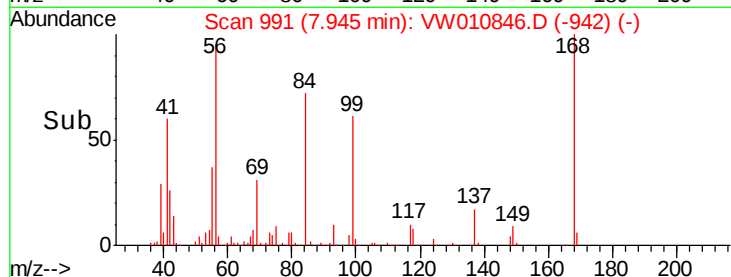
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.174 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW010846.D

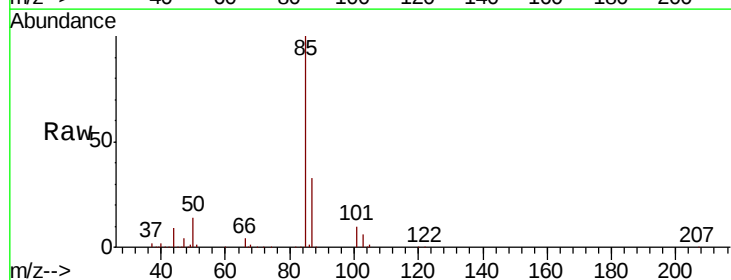
Acq: 19 Jun 2019 11:43

Tgt Ion: 85 Resp: 116208

Ion Ratio Lower Upper

85 100

87 32.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

80000

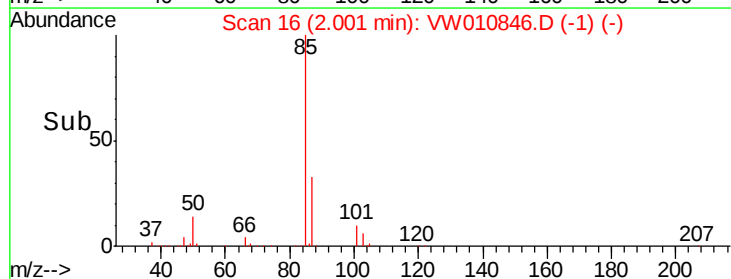
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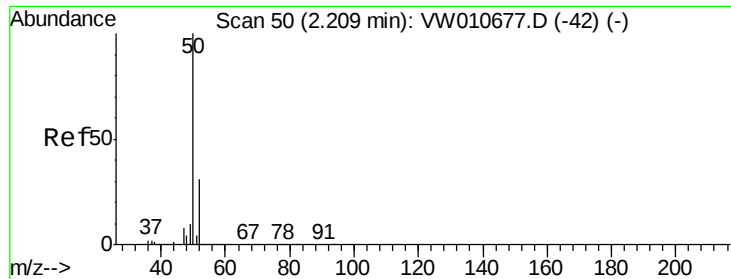
40000

20000

0

Time-->





#3

Chloromethane

Concen: 44.320 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

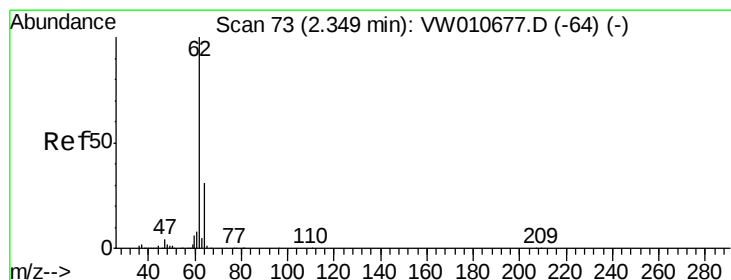
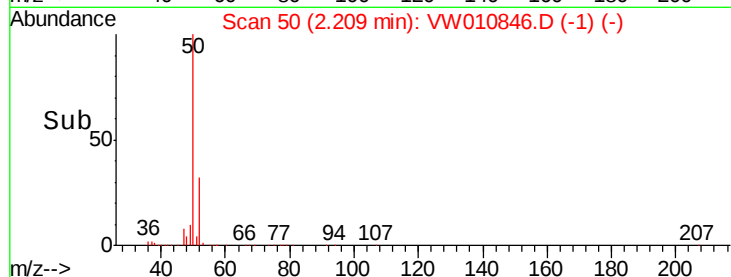
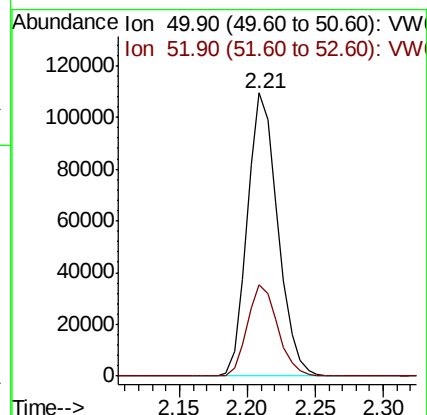
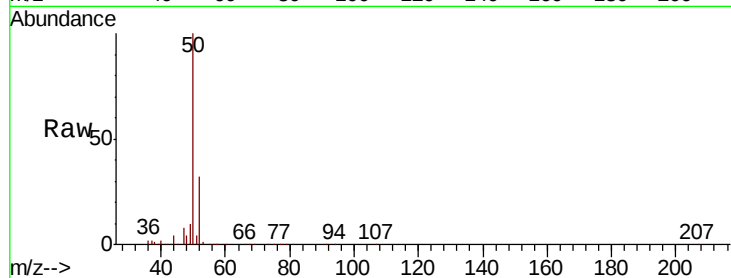
VSTDCCC050

Tot Ion: 50 Resp: 171538

Ion Ratio Lower Upper

50 100

52 32.1 25.2 37.8



#4

Vinyl Chloride

Concen: 45.547 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.01 min

Lab File: VW010846.D

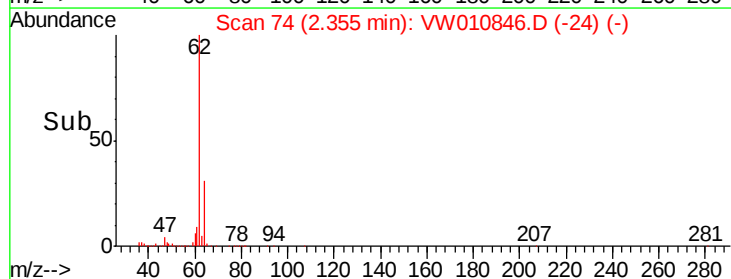
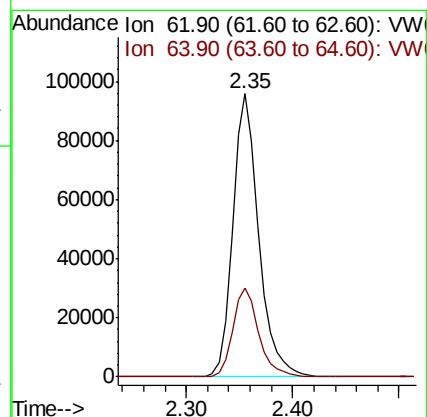
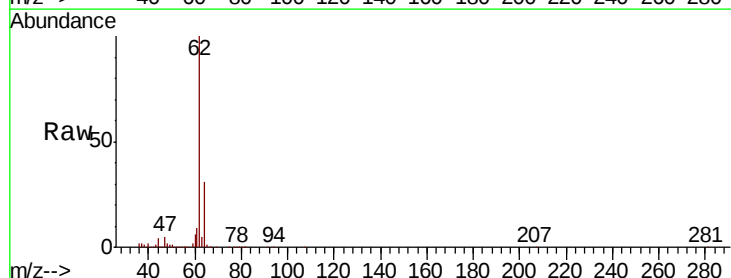
Acq: 19 Jun 2019 11:43

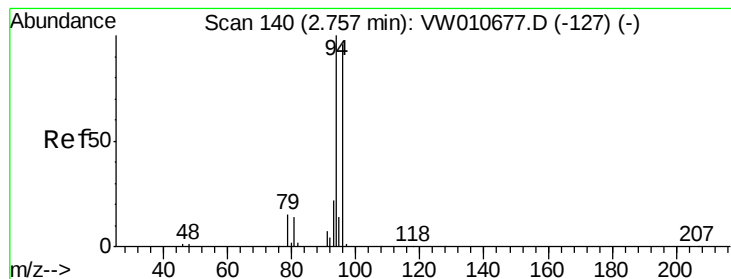
Tgt Ion: 62 Resp: 162871

Ion Ratio Lower Upper

62 100

64 31.4 24.5 36.7





#5

Bromomethane

Concen: 45.608 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.00 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

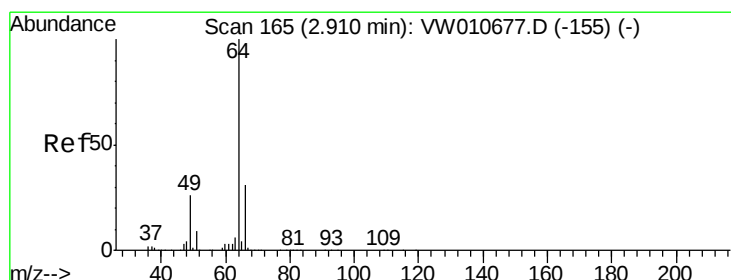
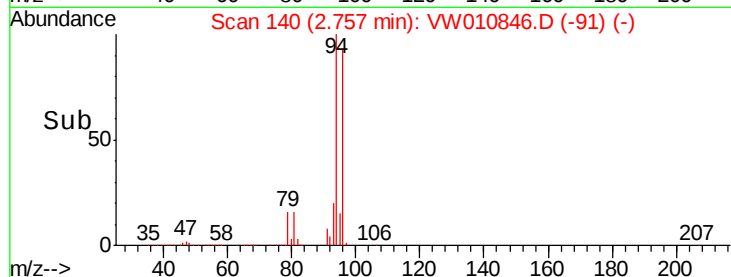
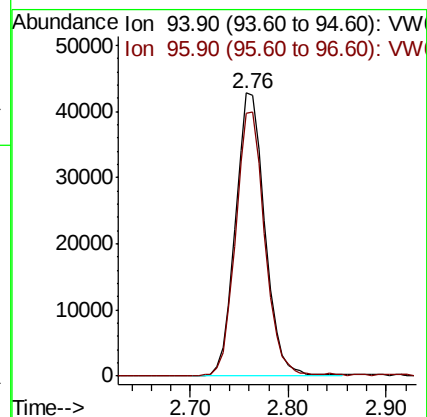
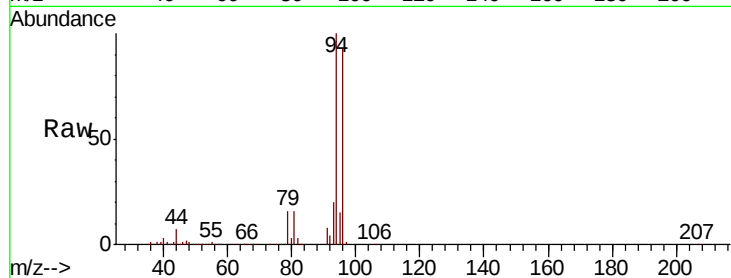
VSTDCCC050

Tot Ion: 94 Resp: 89561

Ion Ratio Lower Upper

94 100

96 92.8 76.5 114.7



#6

Chloroethane

Concen: 46.654 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW010846.D

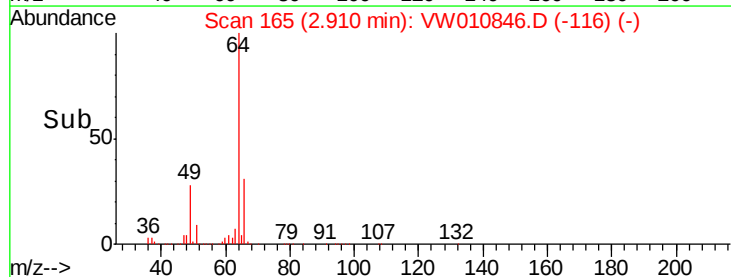
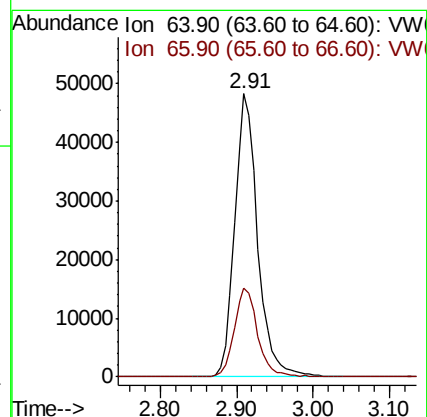
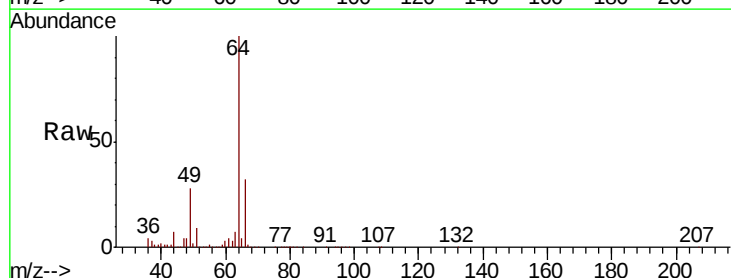
Acq: 19 Jun 2019 11:43

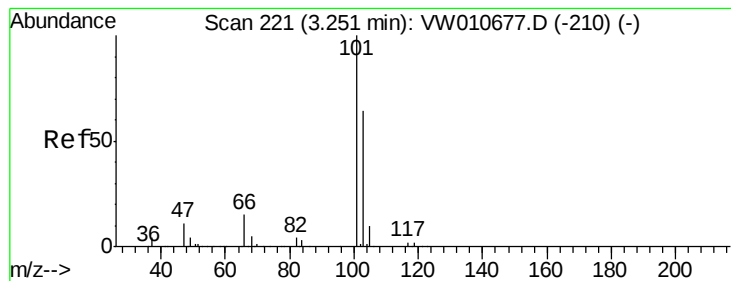
Tgt Ion: 64 Resp: 100141

Ion Ratio Lower Upper

64 100

66 31.4 25.1 37.7





#7

Trichlorofluoromethane

Concen: 51.122 ug/l

RT: 3.25 min Scan# 221

Delta R.T. -0.00 min

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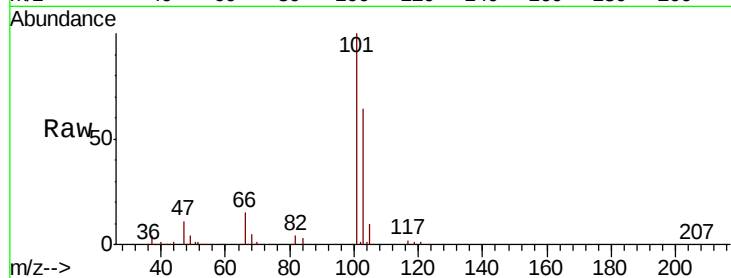
VSTDCCC050

Tot Ion:101 Resp: 237302

Ion Ratio Lower Upper

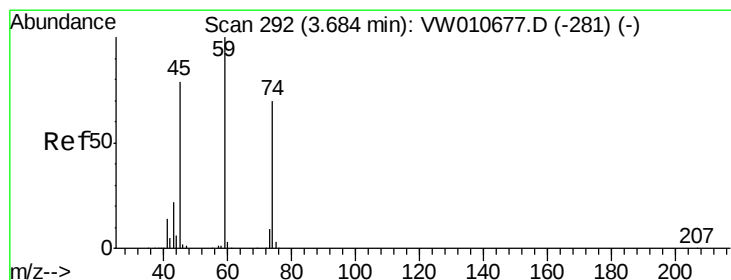
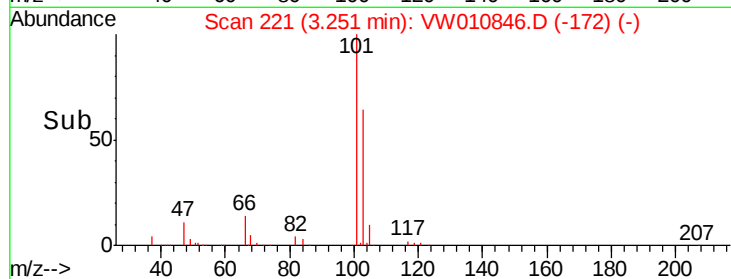
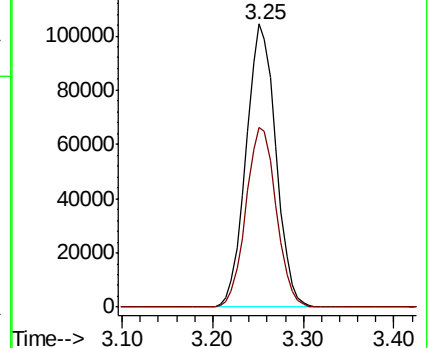
101 100

103 63.6 51.2 76.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 46.968 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.00 min

Lab File: VW010846.D

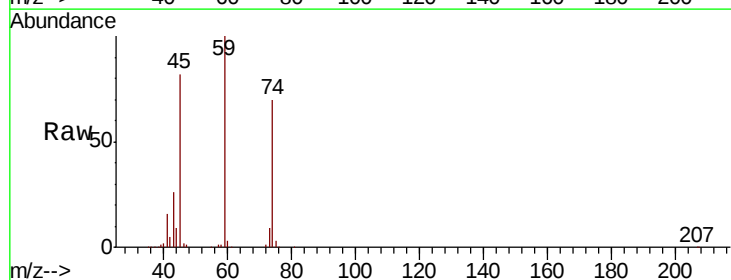
Acq: 19 Jun 2019 11:43

Tgt Ion: 74 Resp: 77914

Ion Ratio Lower Upper

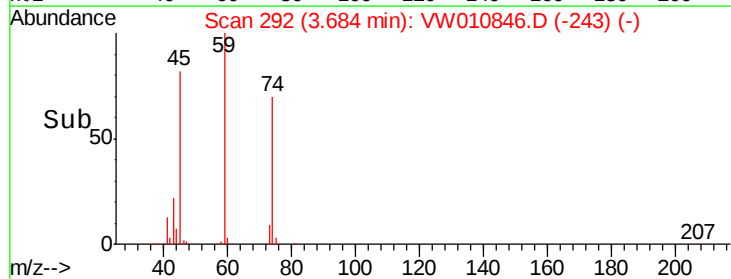
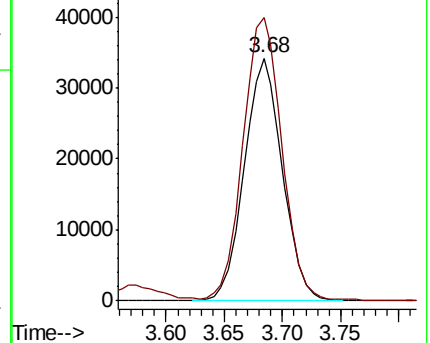
74 100

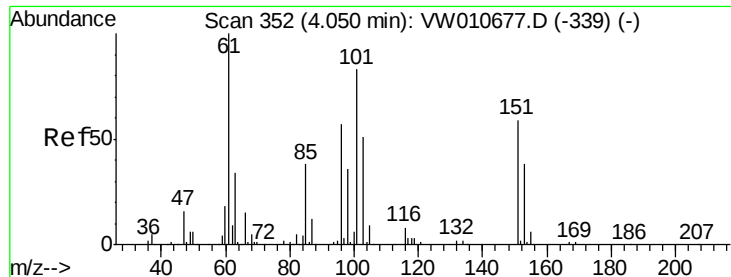
45 119.0 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.225 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

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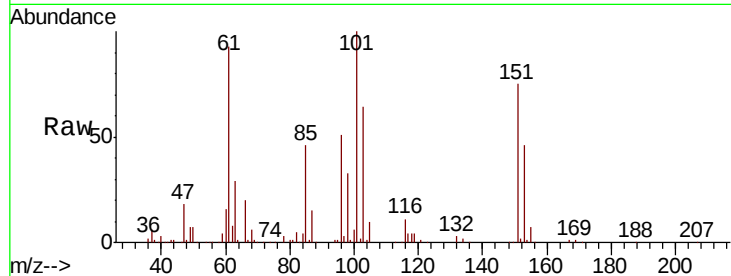
Tot Ion:101 Resp: 146190

Ion Ratio Lower Upper

101 100

85 46.9 35.8 53.8

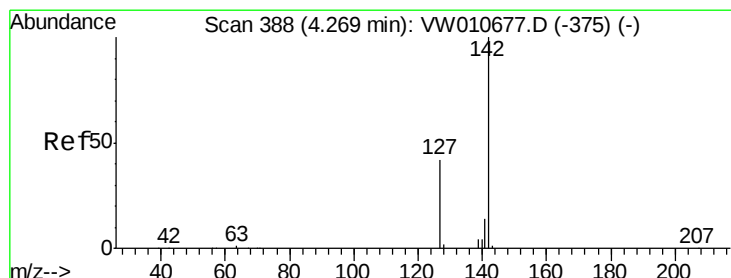
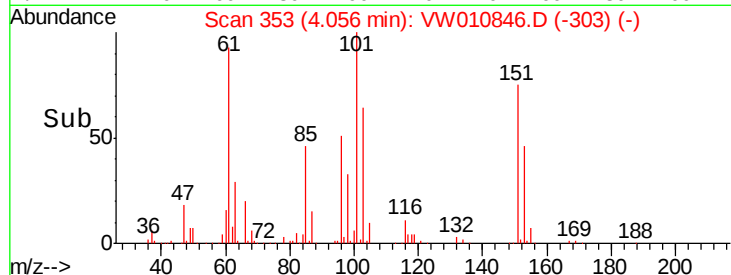
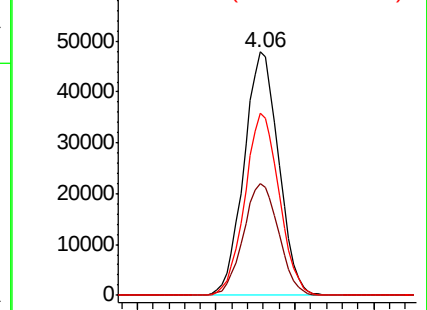
151 74.1 58.1 87.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 44.902 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

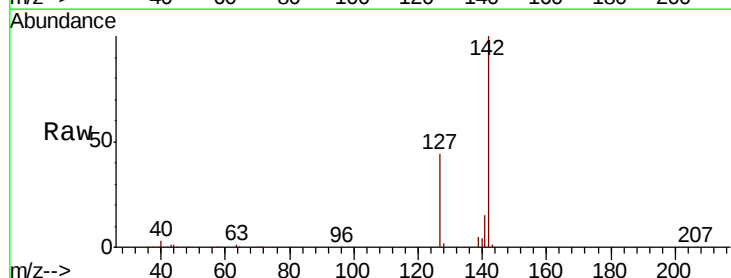
Tgt Ion:142 Resp: 130416

Ion Ratio Lower Upper

142 100

127 44.5 34.6 51.8

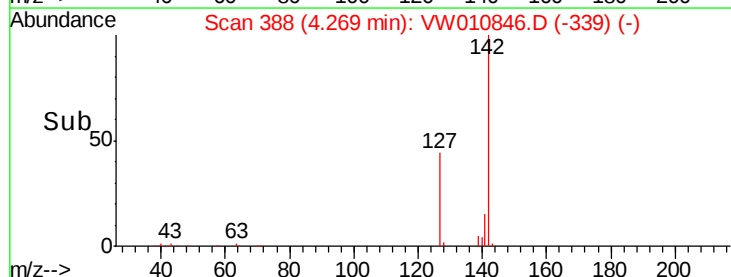
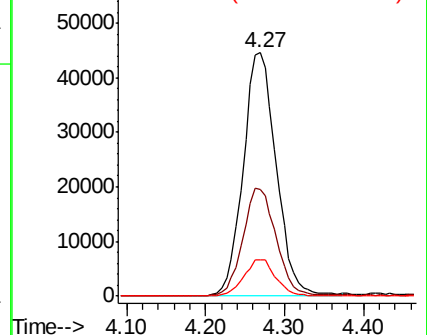
141 14.6 11.6 17.4

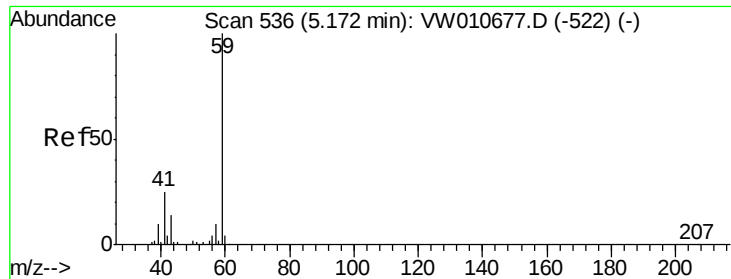


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



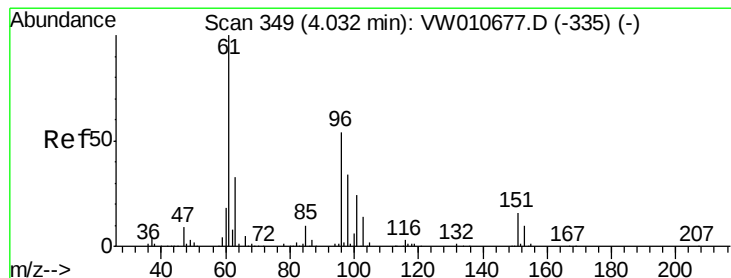
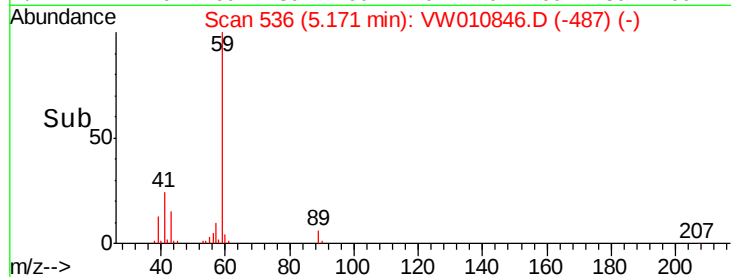
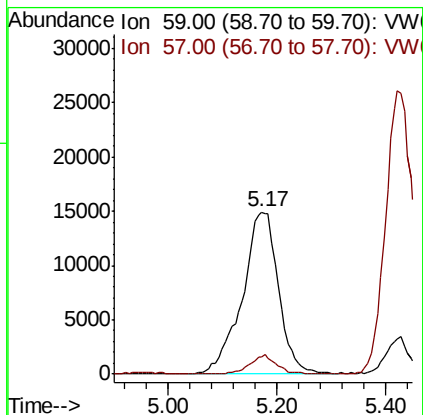
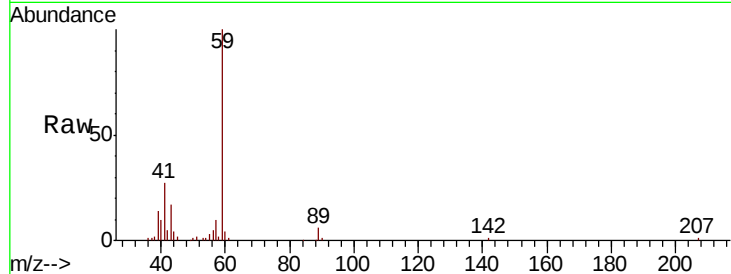


#11

Tert butyl alcohol
 Concen: 252.819 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: VW010846.D
 Acq: 19 Jun 2019 11:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

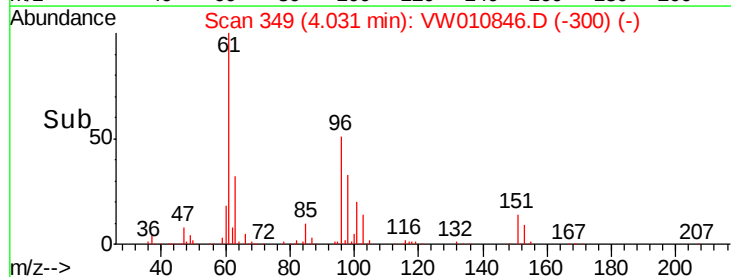
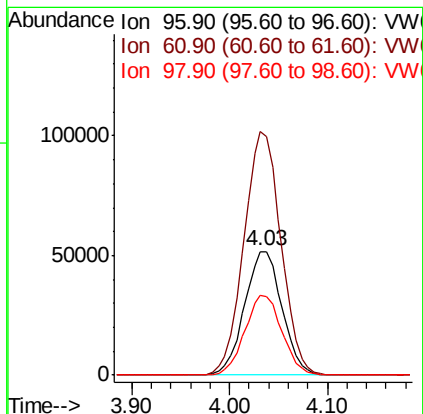
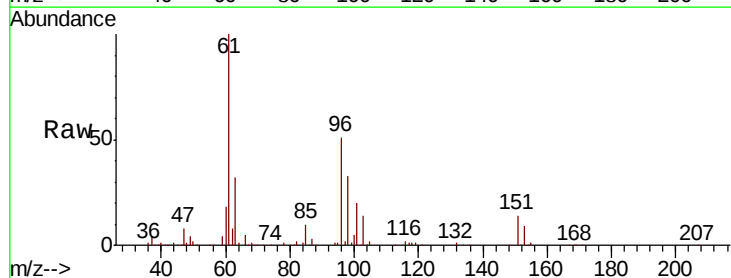
Tot Ion: 59 Resp: 69109
 Ion Ratio Lower Upper
 59 100
 57 8.9 8.6 12.8

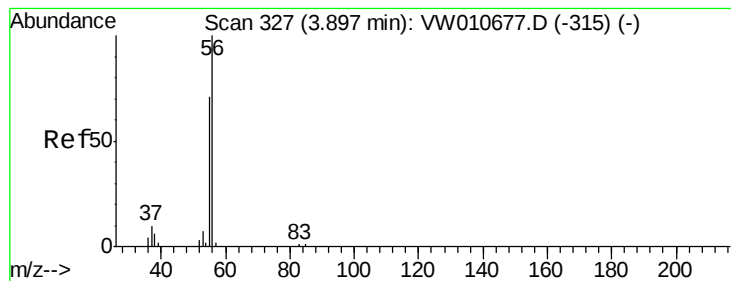


#12

1,1-Dichloroethene
 Concen: 49.844 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.00 min
 Lab File: VW010846.D
 Acq: 19 Jun 2019 11:43

Tgt Ion: 96 Resp: 137221
 Ion Ratio Lower Upper
 96 100
 61 196.7 149.1 223.7
 98 64.9 51.1 76.7





#13

Acrolein

Concen: 199.729 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

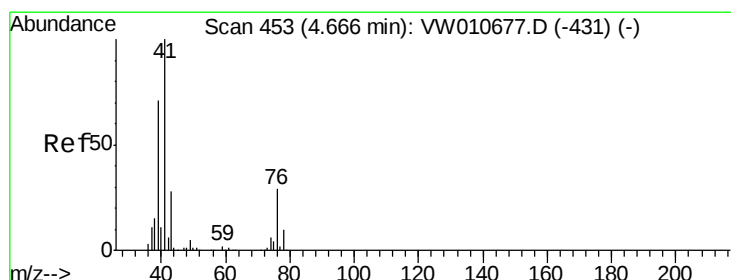
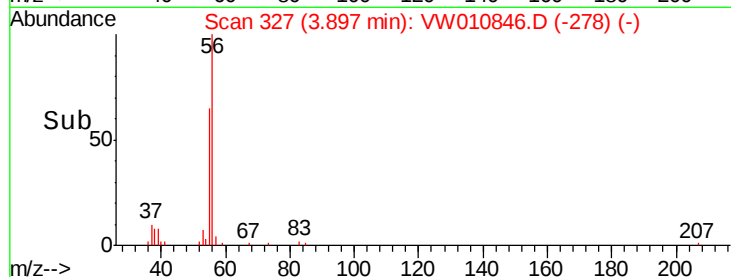
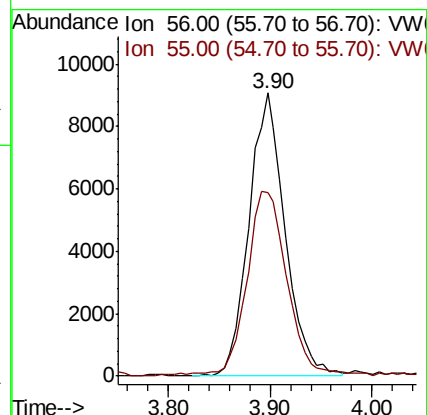
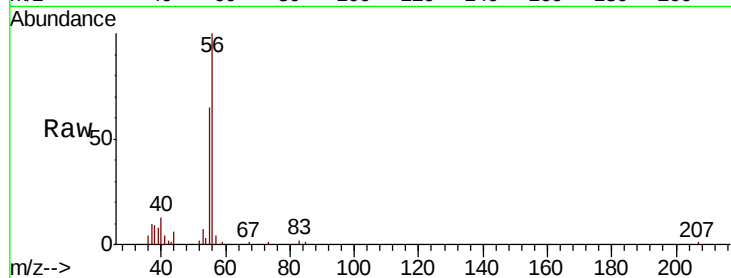
VSTDCCC050

Tot Ion: 56 Resp: 22310

Ion Ratio Lower Upper

56 100

55 72.6 57.6 86.4



#14

Allyl chloride

Concen: 53.446 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

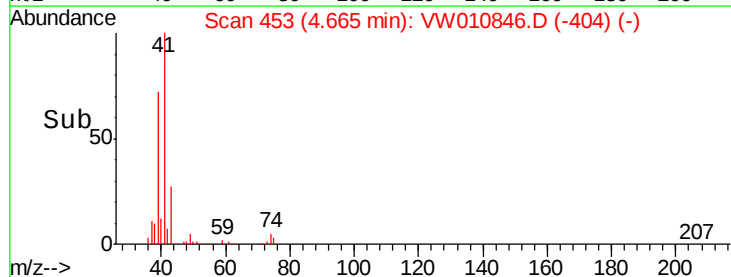
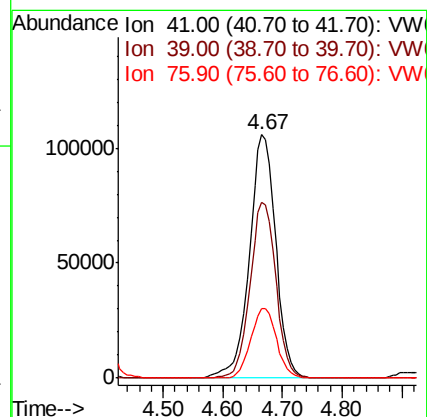
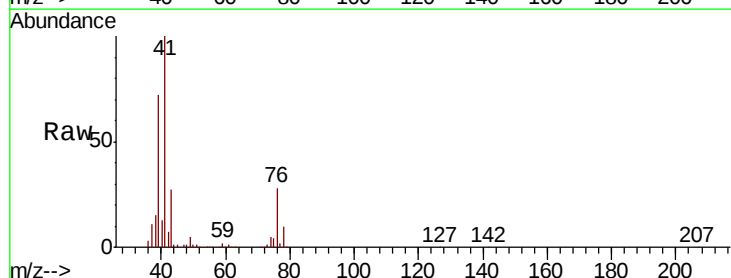
Tgt Ion: 41 Resp: 324425

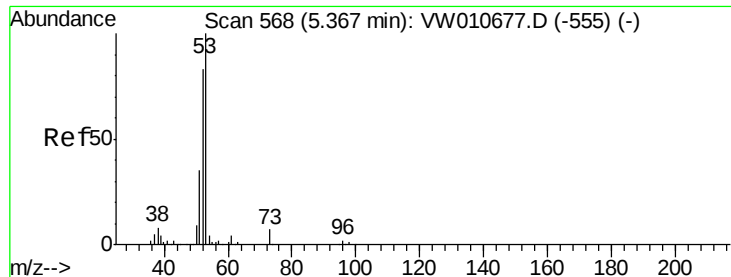
Ion Ratio Lower Upper

41 100

39 71.2 55.8 83.6

76 27.9 22.7 34.1





#15

Acrylonitrile

Concen: 228.744 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

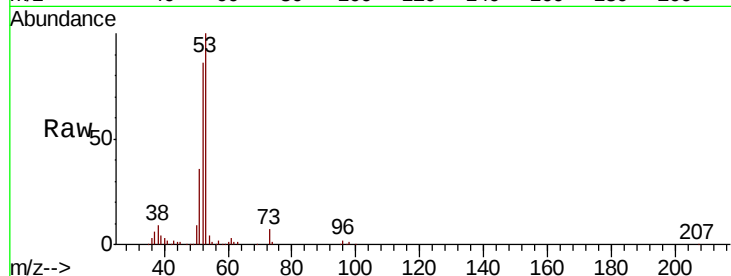
Tot Ion: 53 Resp: 184345

Ion Ratio Lower Upper

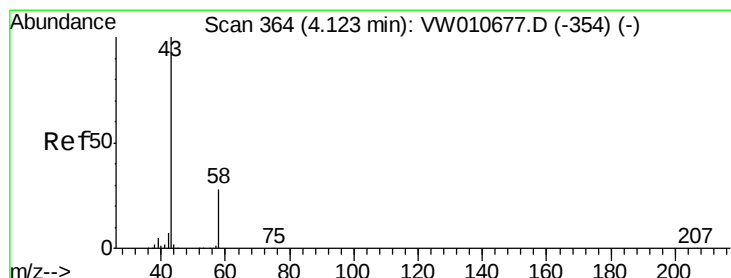
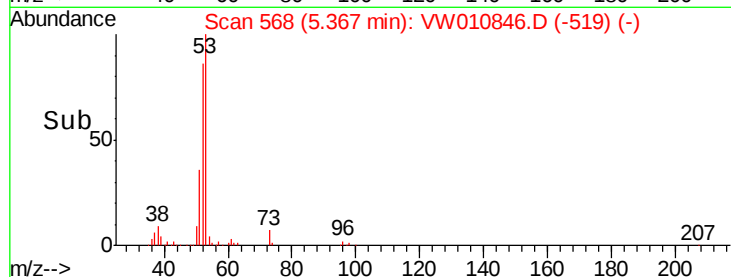
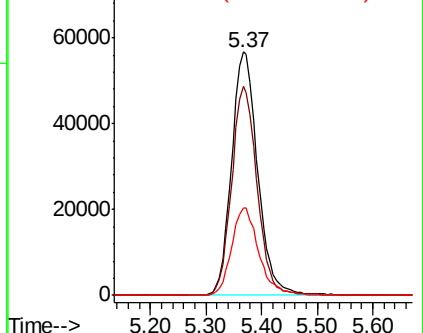
53 100

52 83.1 66.6 100.0

51 37.5 29.8 44.8



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: 253.251 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010846.D

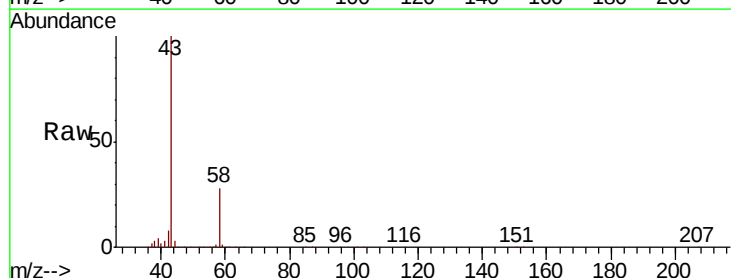
Acq: 19 Jun 2019 11:43

Tgt Ion: 43 Resp: 227688

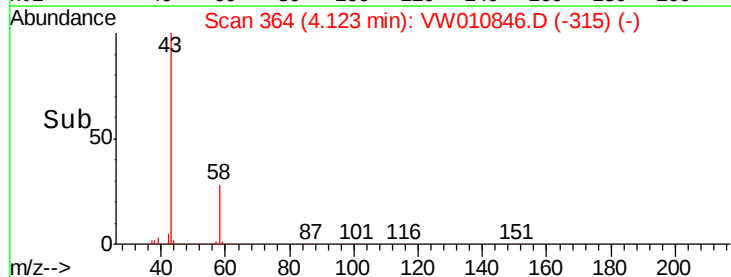
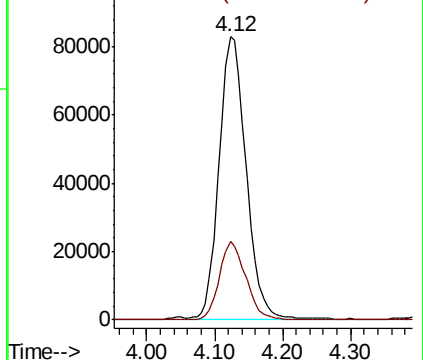
Ion Ratio Lower Upper

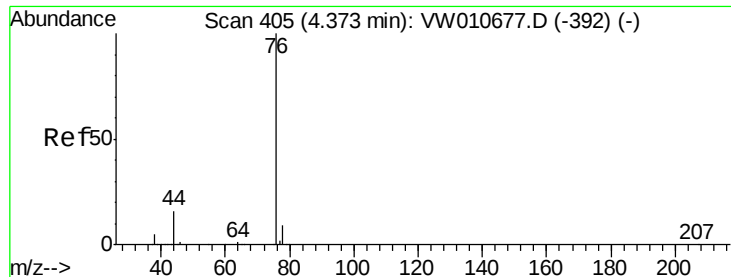
43 100

58 28.0 22.1 33.1



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

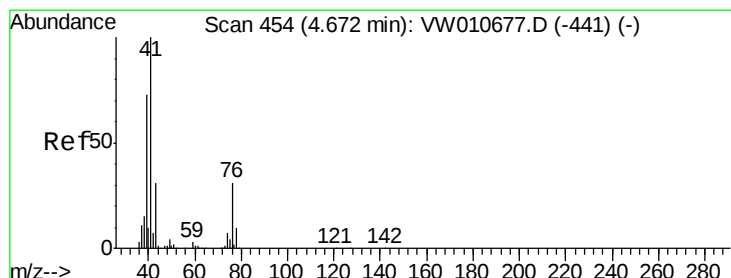
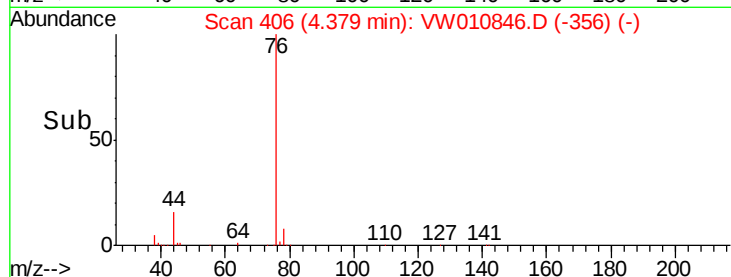
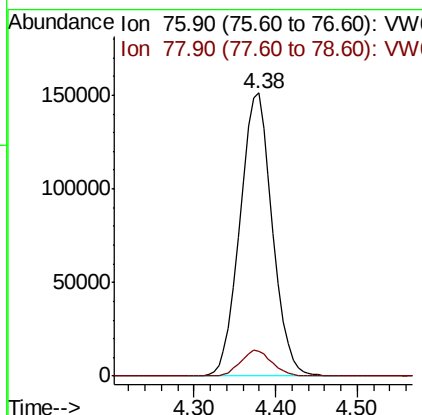
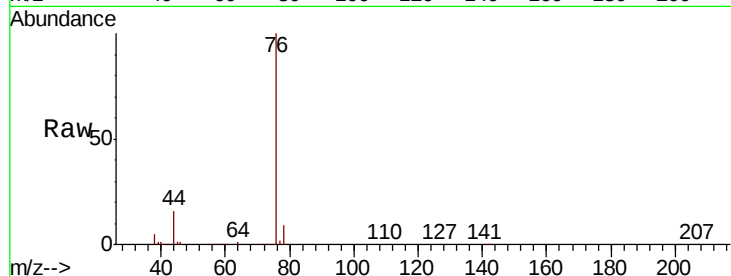




#17
Carbon Disulfide
Concen: 47.668 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW010846.D
Acq: 19 Jun 2019 11:43

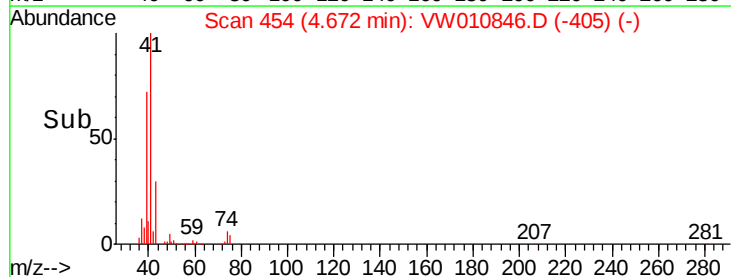
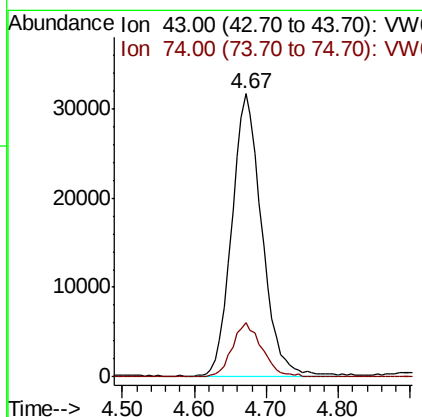
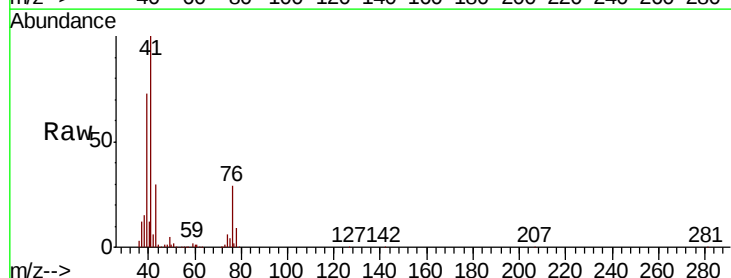
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

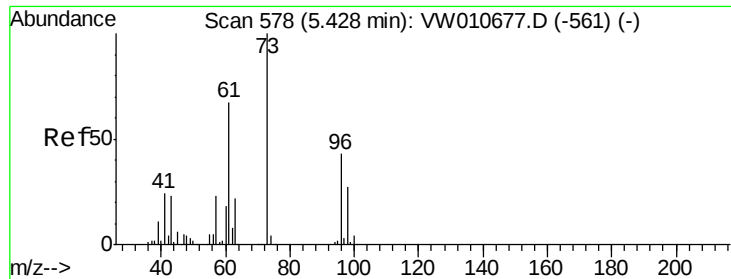
Tot Ion: 76 Resp: 416577
Ion Ratio Lower Upper
76 100
78 9.0 7.5 11.3



#18
Methyl Acetate
Concen: 47.080 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010846.D
Acq: 19 Jun 2019 11:43

Tgt Ion: 43 Resp: 91115
Ion Ratio Lower Upper
43 100
74 19.1 16.7 25.1

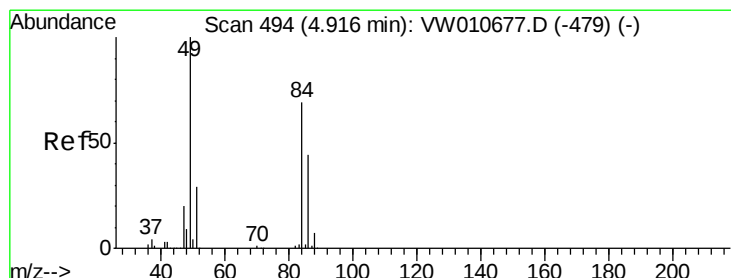
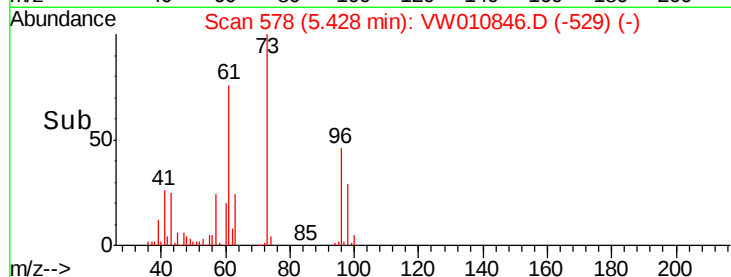
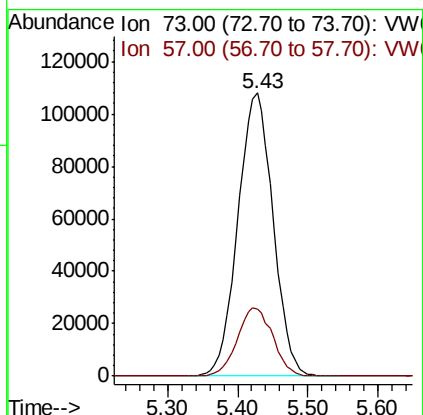
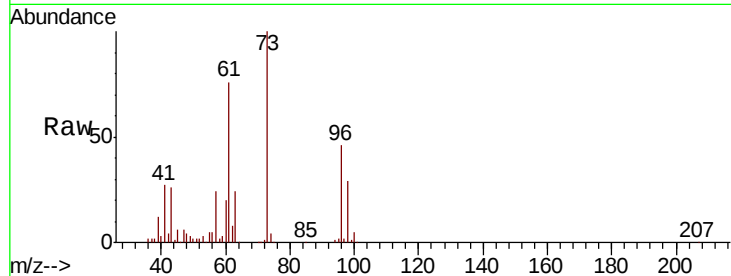




#19
Methyl tert-butyl Ether
Concen: 47.358 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW010846.D
Acq: 19 Jun 2019 11:43

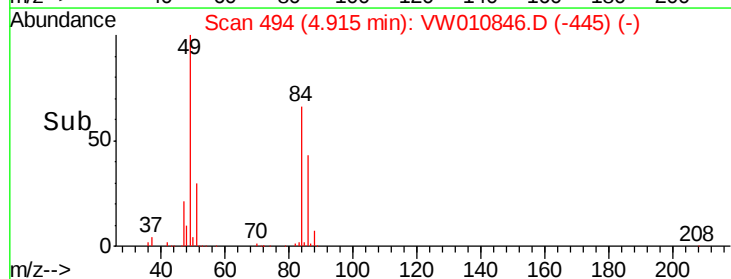
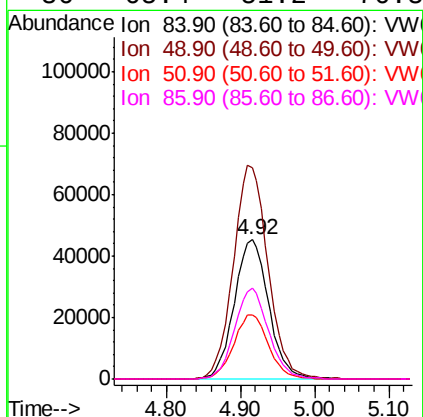
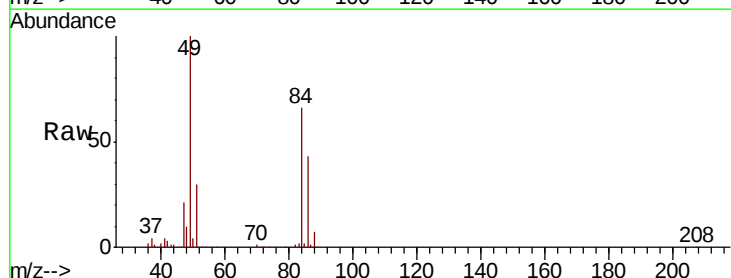
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

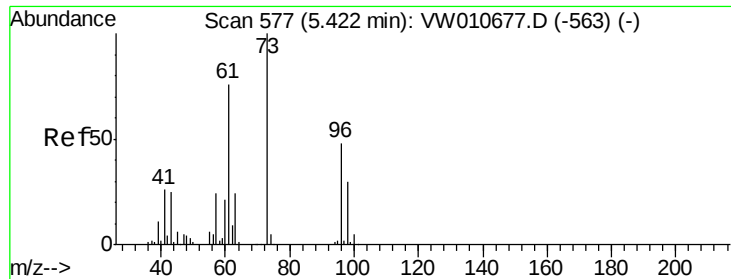
Tot Ion: 73 Resp: 376026
Ion Ratio Lower Upper
73 100
57 23.9 18.6 27.8



#20
Methylene Chloride
Concen: 46.679 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW010846.D
Acq: 19 Jun 2019 11:43

Tgt Ion: 84 Resp: 147225
Ion Ratio Lower Upper
84 100
49 152.2 116.7 175.1
51 46.2 34.2 51.2
86 65.4 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 50.129 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

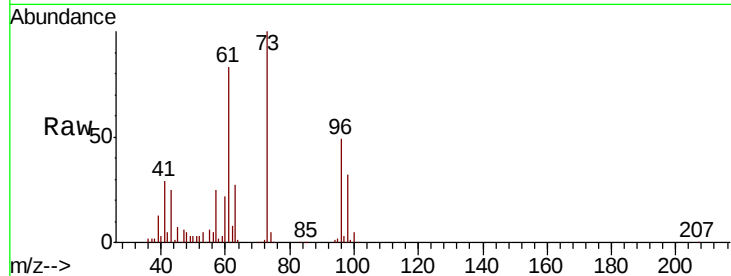
Tot Ion: 96 Resp: 156664

Ion Ratio Lower Upper

96 100

61 169.7 126.0 189.0

98 64.7 49.6 74.4

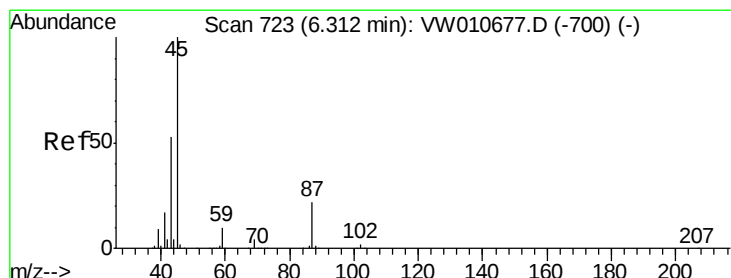
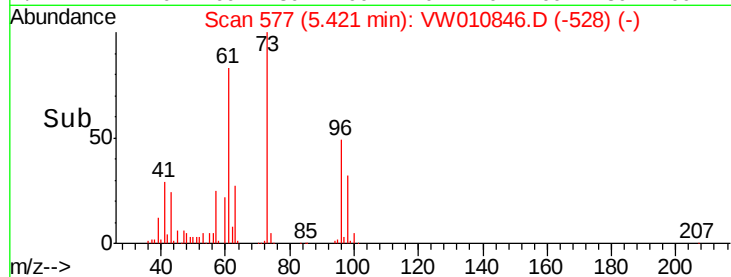
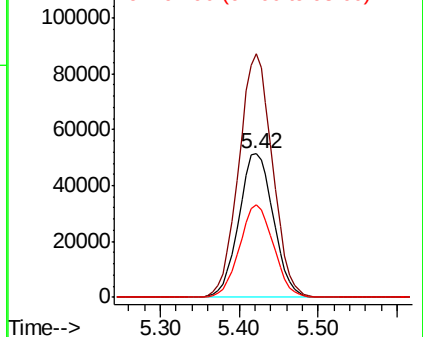


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 51.840 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

Tgt Ion: 45 Resp: 629992

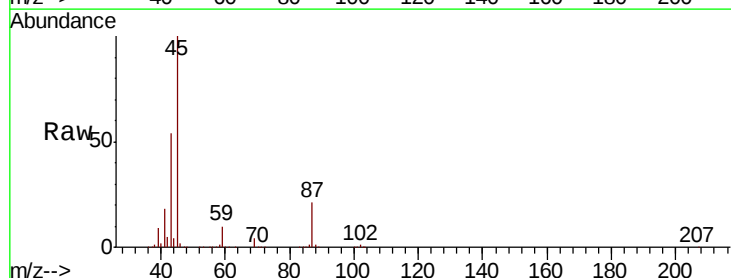
Ion Ratio Lower Upper

45 100

43 53.7 42.5 63.7

87 21.0 17.4 26.2

59 10.2 8.1 12.1



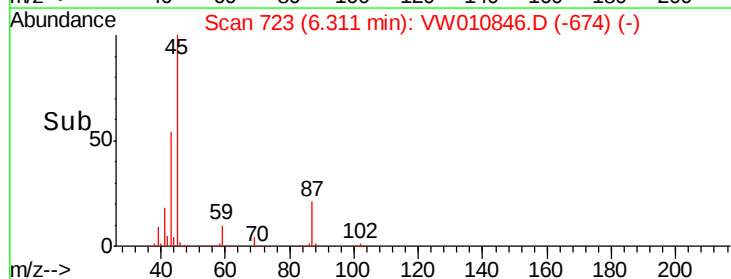
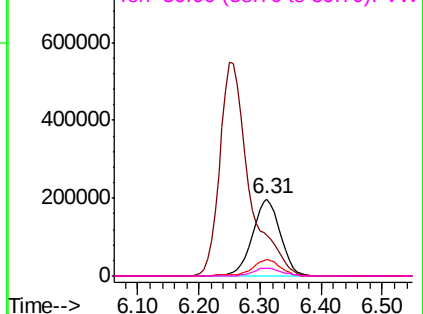
Abundance

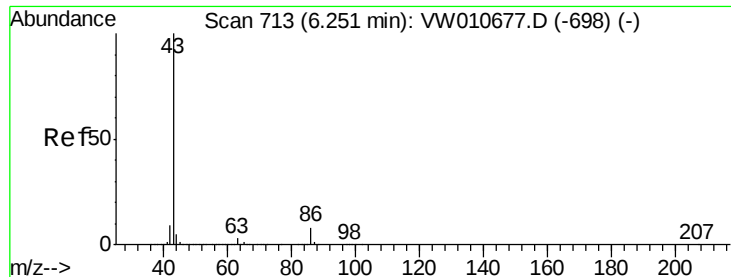
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 249.585 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

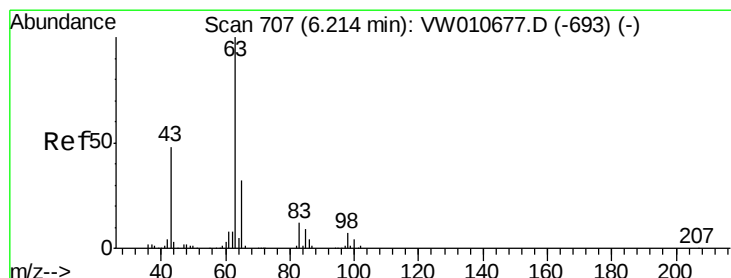
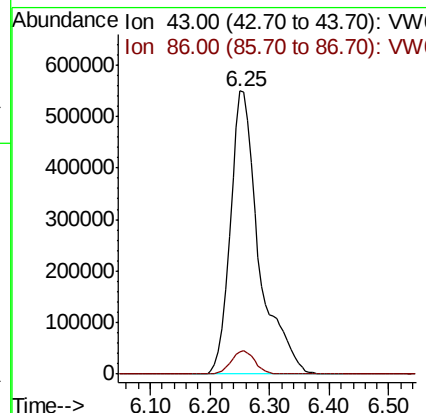
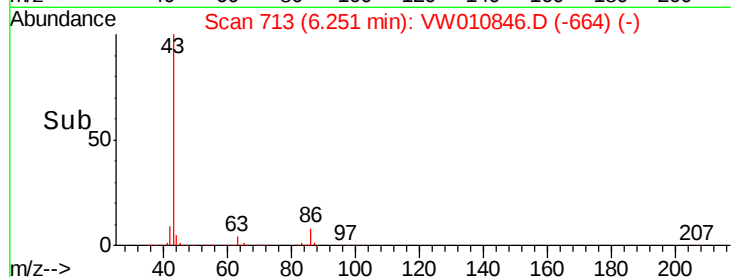
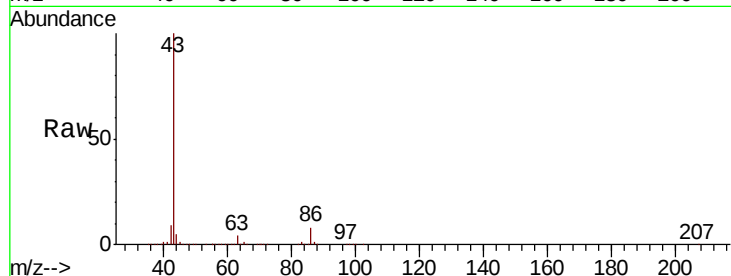
VSTDCCC050

Tot Ion: 43 Resp: 1830463

Ion Ratio Lower Upper

43 100

86 8.0 6.6 10.0



#24

1,1-Dichloroethane

Concen: 52.336 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

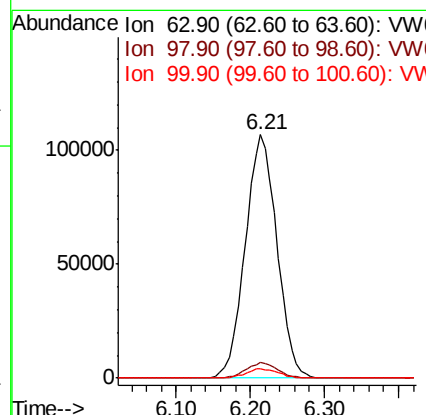
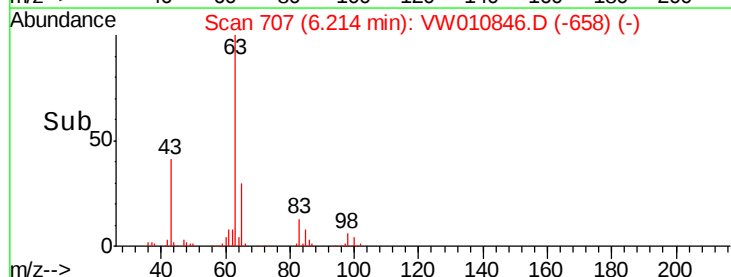
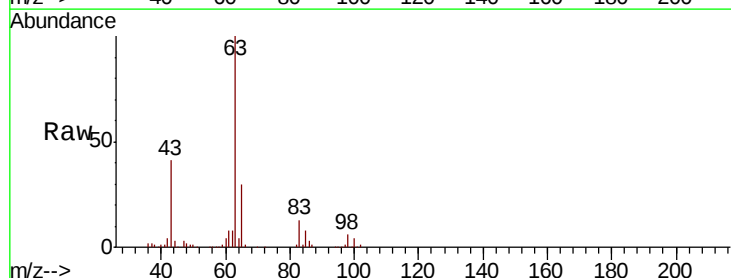
Tgt Ion: 63 Resp: 318733

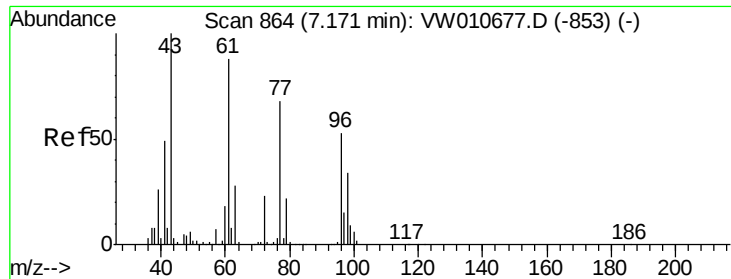
Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.2

100 4.0 2.1 6.3





#25

2-Butanone

Concen: 245.372 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

Instrument :

MSVOA_W

ClientSampled :

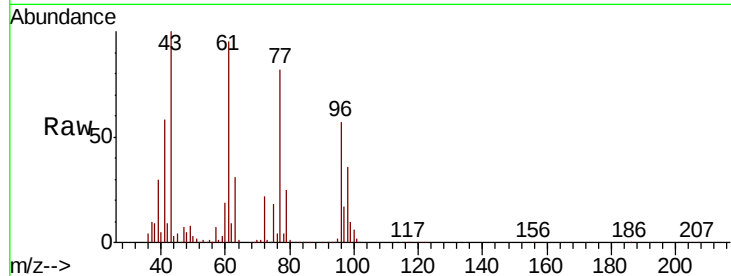
VSTDCCC050

Tot Ion: 43 Resp: 305899

Ion Ratio Lower Upper

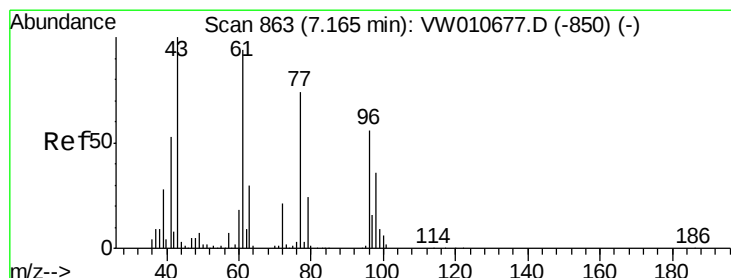
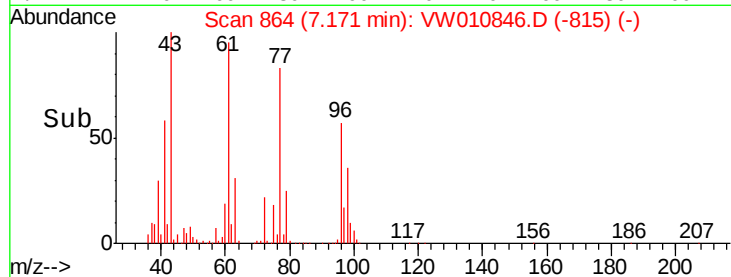
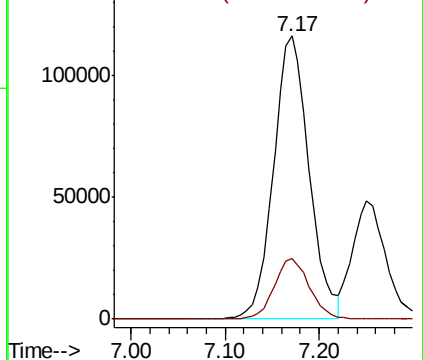
43 100

72 21.6 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 58.136 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW010846.D

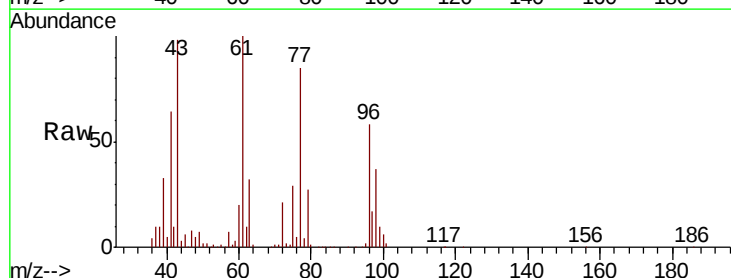
Acq: 19 Jun 2019 11:43

Tgt Ion: 77 Resp: 288109

Ion Ratio Lower Upper

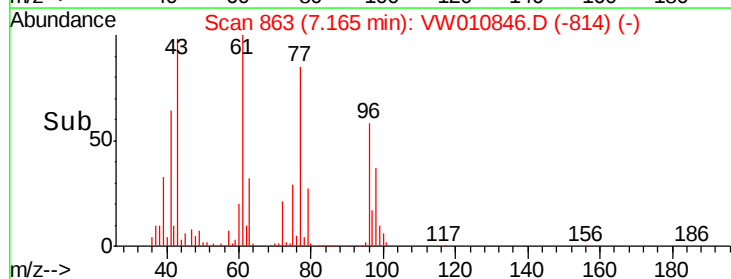
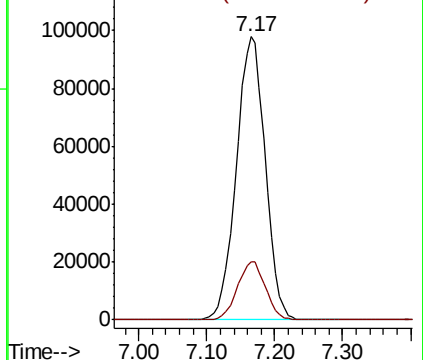
77 100

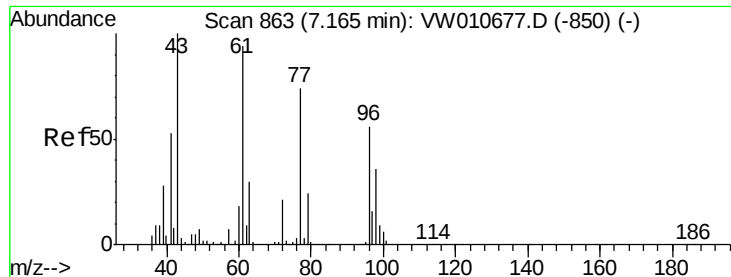
97 20.0 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



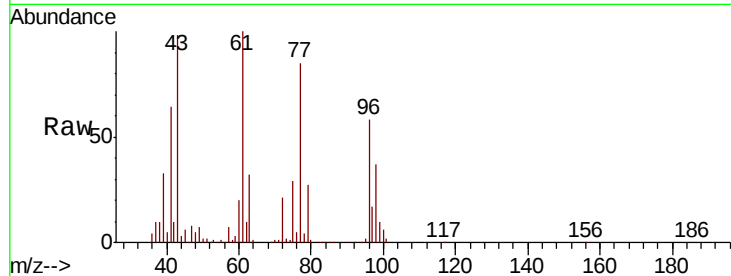


#27

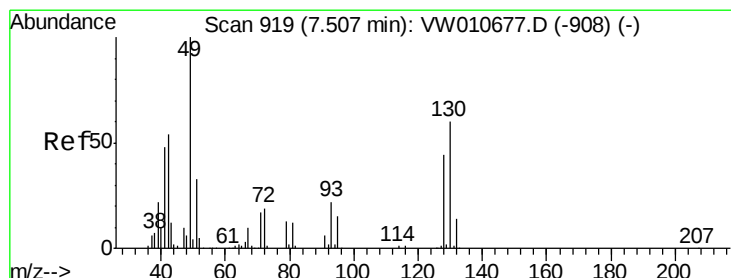
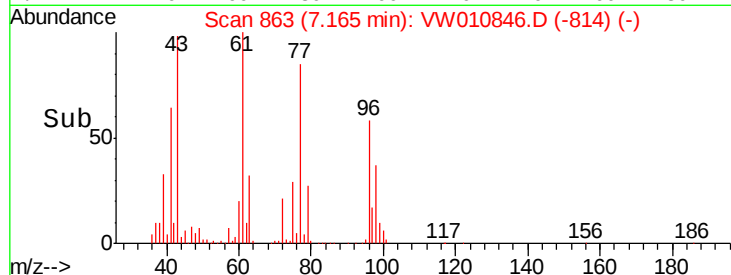
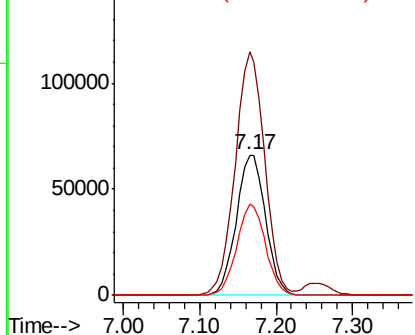
cis-1,2-Dichloroethene
Concen: 51.028 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW010846.D
Acq: 19 Jun 2019 11:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 175500
Ion Ratio Lower Upper
96 100
61 174.7 0.0 336.4
98 63.7 0.0 128.0



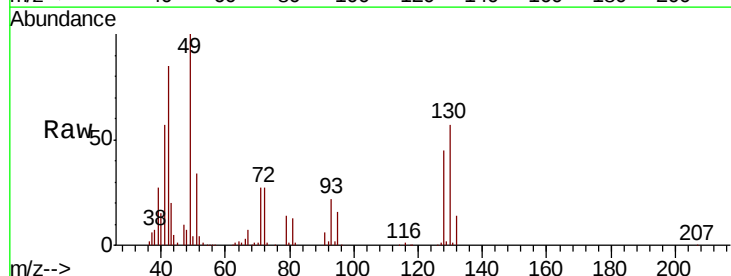
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



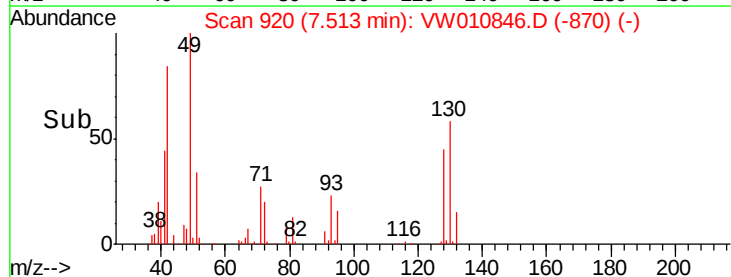
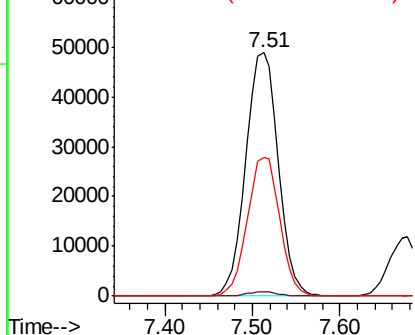
#28

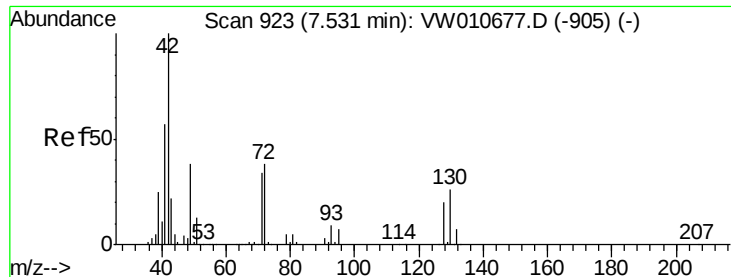
Bromochloromethane
Concen: 46.528 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW010846.D
Acq: 19 Jun 2019 11:43

Tgt Ion: 49 Resp: 126457
Ion Ratio Lower Upper
49 100
129 1.6 0.0 3.2
130 56.8 48.3 72.5



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

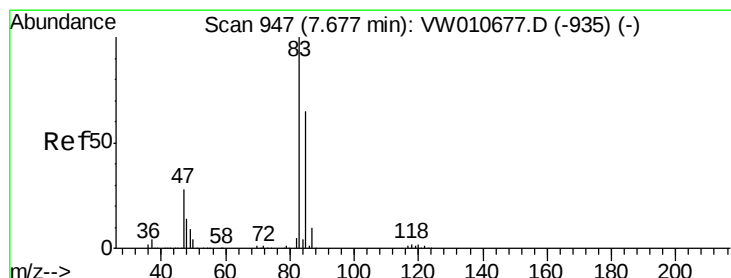
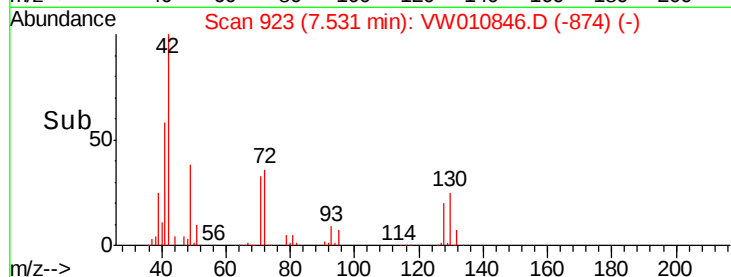
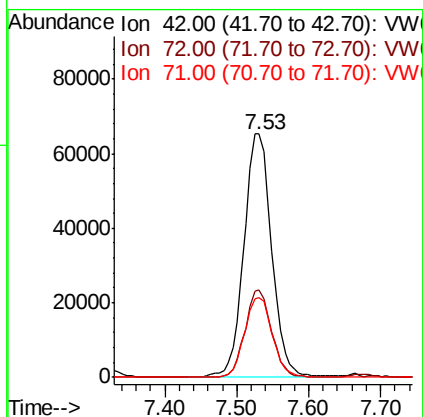
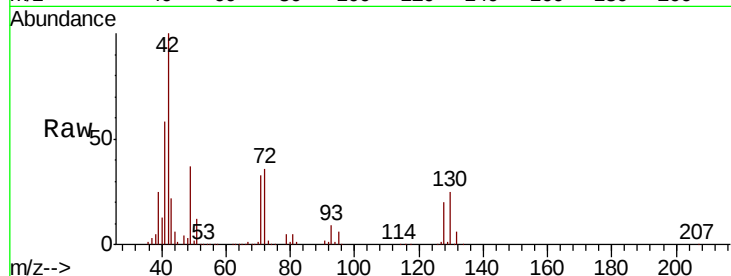




#29
Tetrahydrofuran
Concen: 222.620 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010846.D
Acq: 19 Jun 2019 11:43

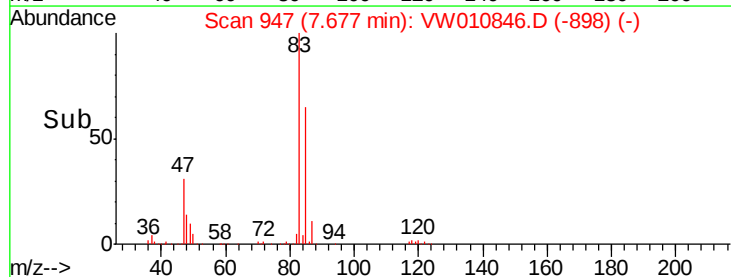
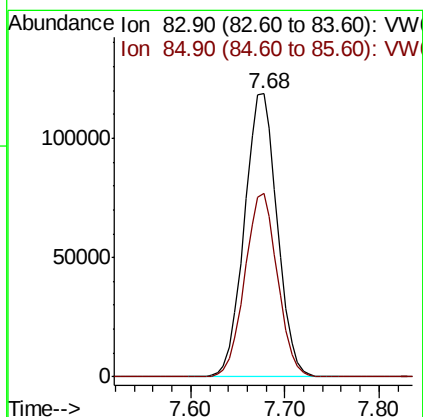
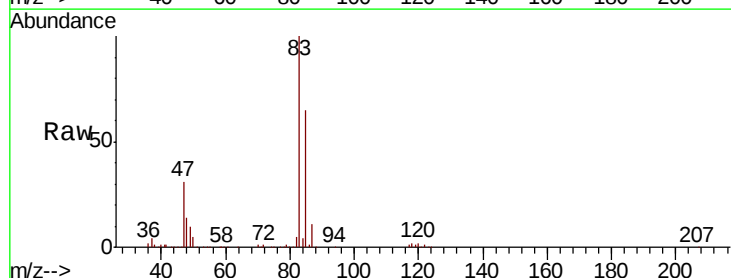
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

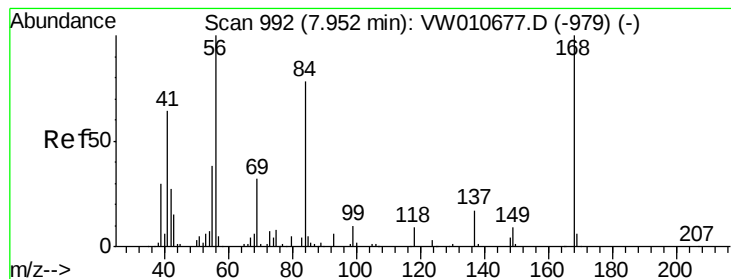
Tot Ion: 42 Resp: 174567
Ion Ratio Lower Upper
42 100
72 34.3 28.7 43.1
71 32.7 26.6 39.8



#30
Chloroform
Concen: 52.183 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010846.D
Acq: 19 Jun 2019 11:43

Tgt Ion: 83 Resp: 290685
Ion Ratio Lower Upper
83 100
85 64.9 51.8 77.8





#31

Cyclohexane

Concen: 48.986 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

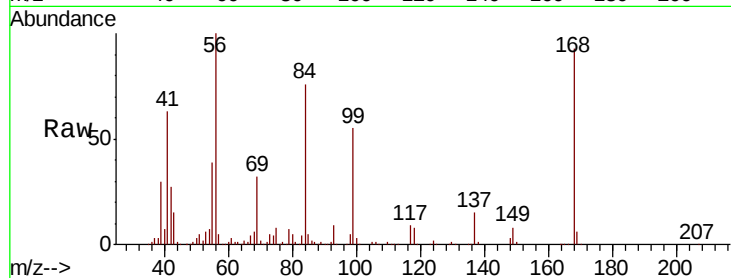
Tot Ion: 56 Resp: 331635

Ion Ratio Lower Upper

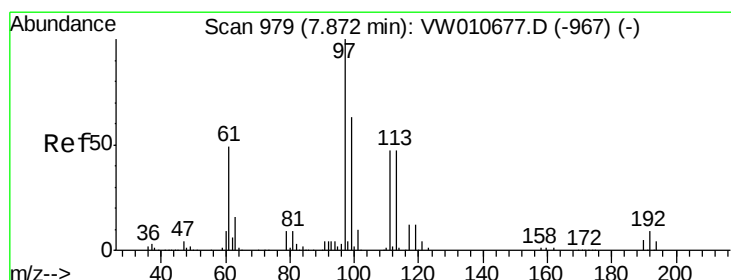
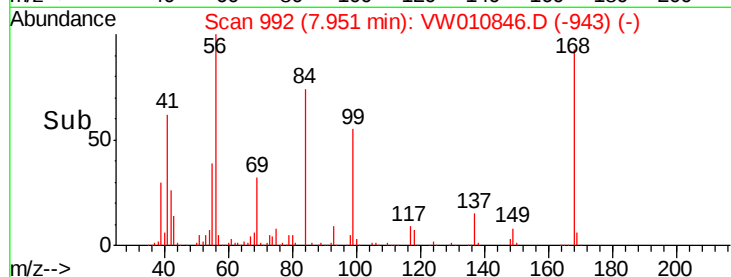
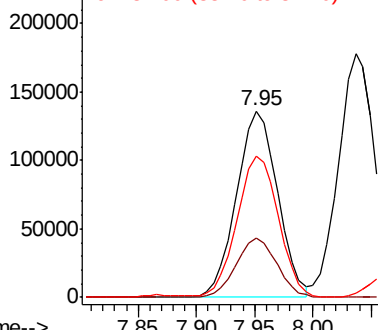
56 100

69 31.6 25.2 37.8

84 74.7 62.2 93.2



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: 53.578 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

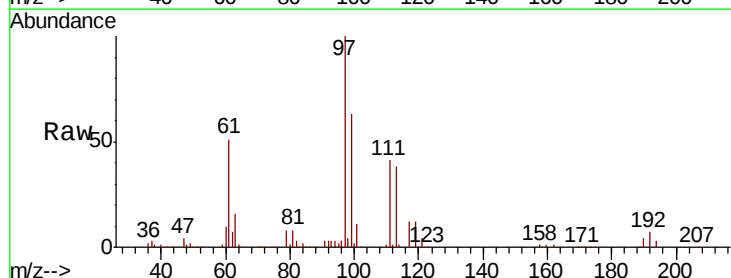
Tgt Ion: 97 Resp: 260714

Ion Ratio Lower Upper

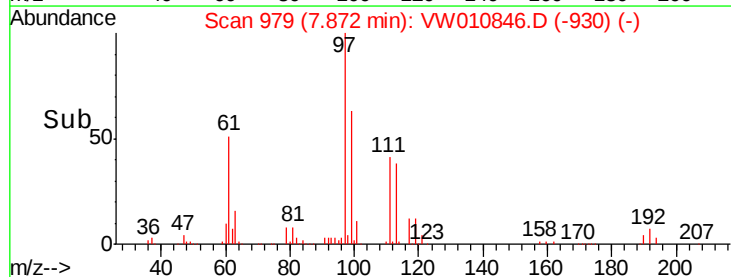
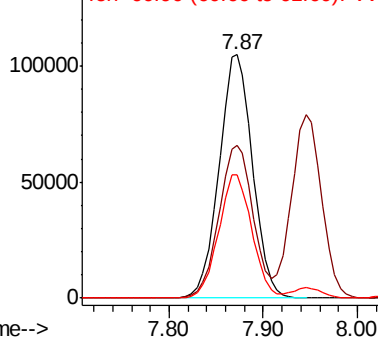
97 100

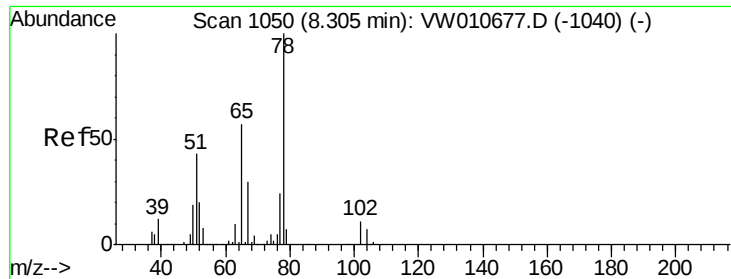
99 64.1 51.3 76.9

61 51.0 40.4 60.6



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: 46.069 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

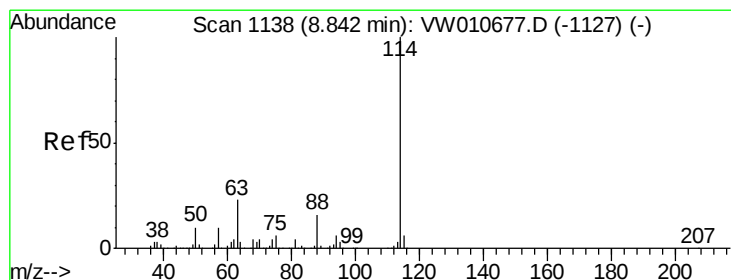
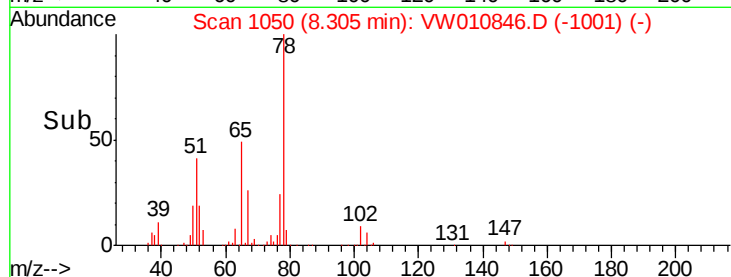
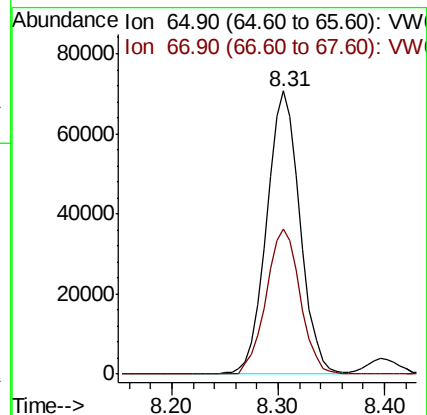
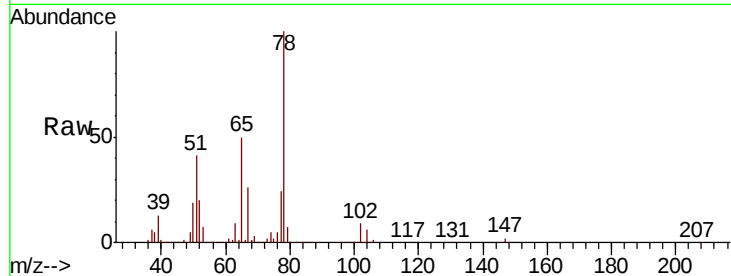
VSTDCCC050

Tot Ion: 65 Resp: 154579

Ion Ratio Lower Upper

65 100

67 52.3 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

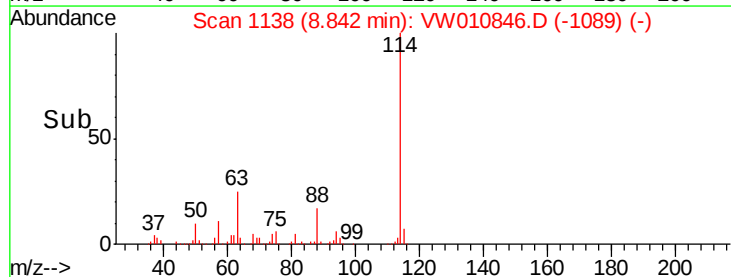
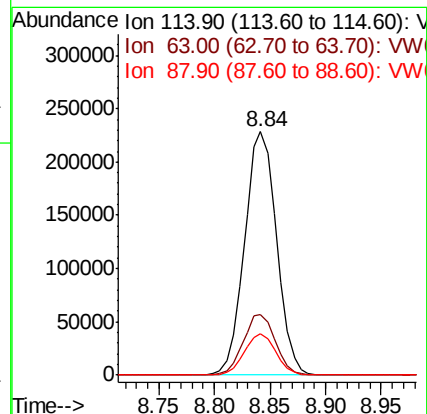
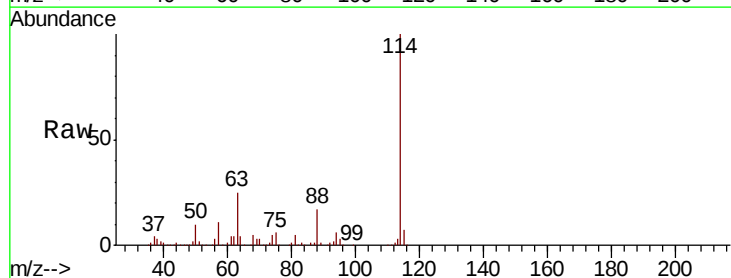
Tgt Ion: 114 Resp: 455930

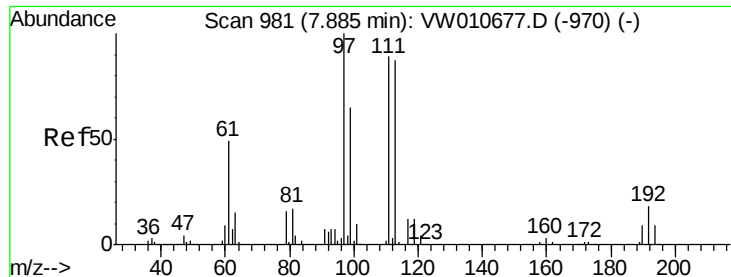
Ion Ratio Lower Upper

114 100

63 24.9 0.0 46.4

88 16.9 0.0 32.2

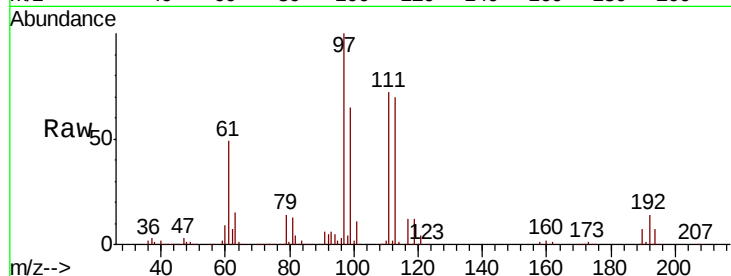




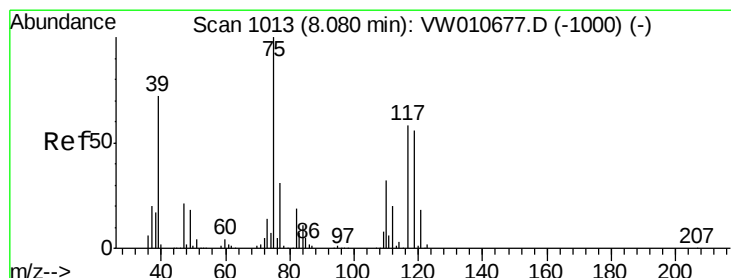
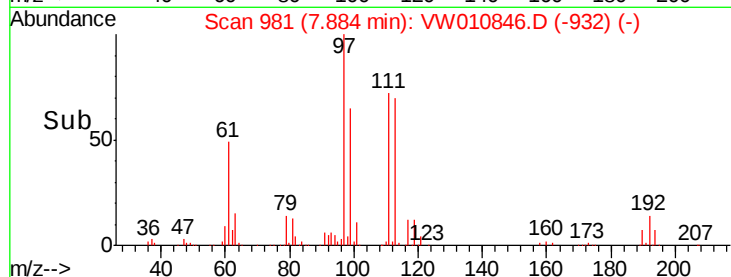
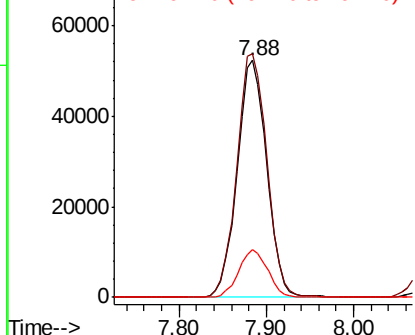
#35
 Dibromofluoromethane
 Concen: 49.627 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010846.D
 Acq: 19 Jun 2019 11:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 122812
 Ion Ratio Lower Upper
 113 100
 111 104.7 82.6 123.8
 192 19.7 16.4 24.6

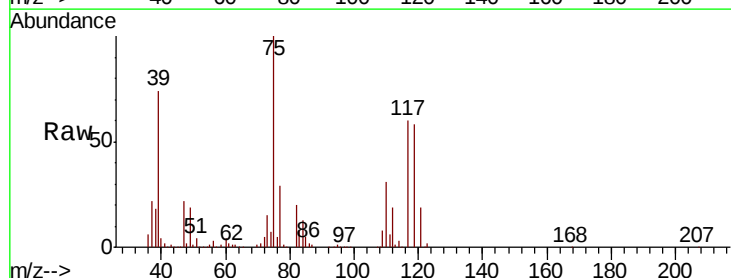


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

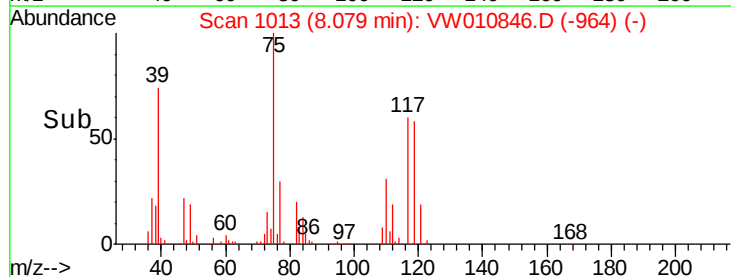
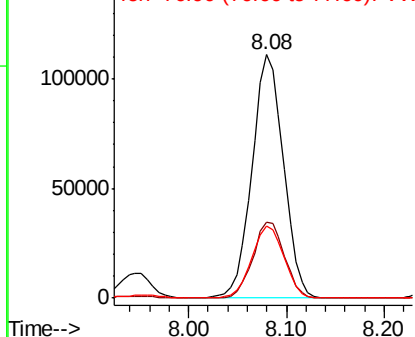


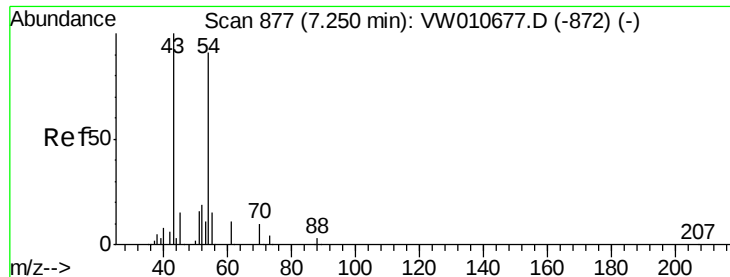
#36
 1,1-Dichloropropene
 Concen: 52.920 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010846.D
 Acq: 19 Jun 2019 11:43

Tgt Ion: 75 Resp: 246974
 Ion Ratio Lower Upper
 75 100
 110 31.7 15.8 47.3
 77 30.7 24.7 37.1



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

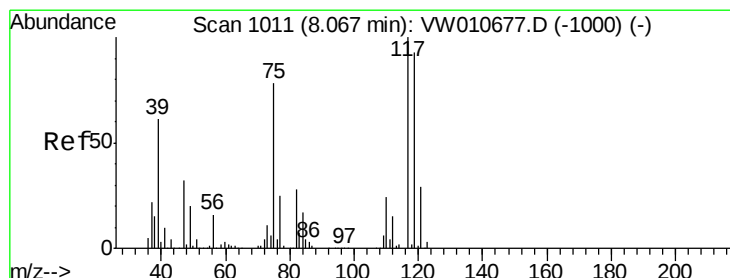
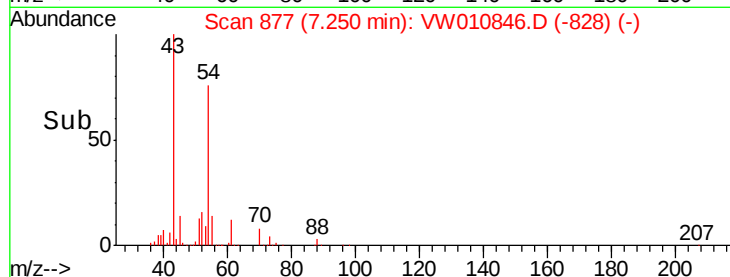
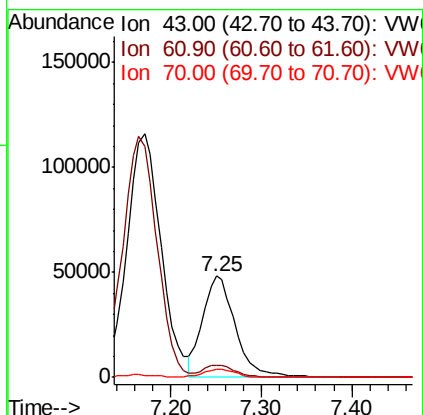
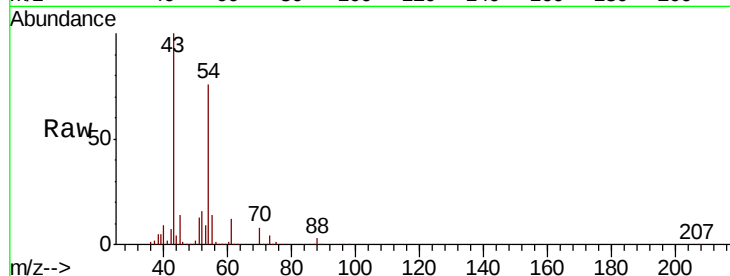




#37
Ethyl Acetate
Concen: 46.394 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010846.D
Acq: 19 Jun 2019 11:43

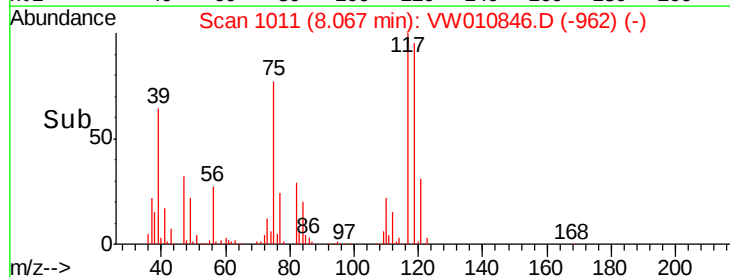
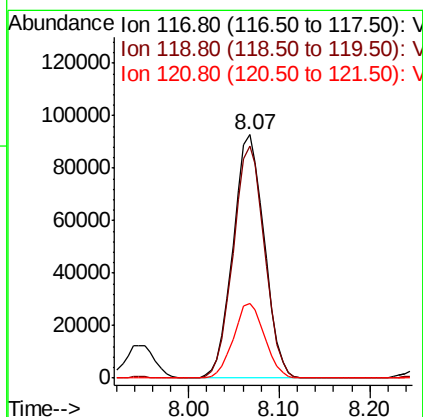
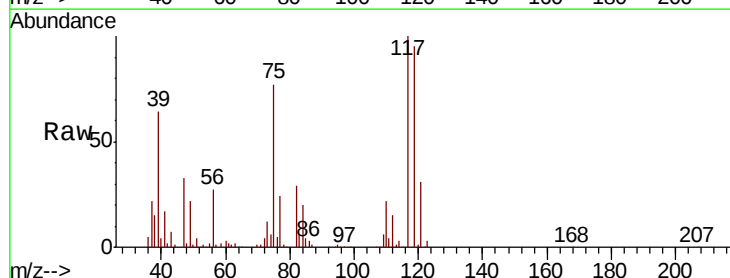
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

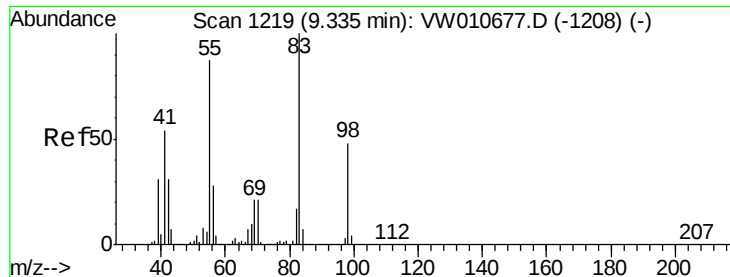
Tot Ion: 43 Resp: 119982
Ion Ratio Lower Upper
43 100
61 11.3 9.7 14.5
70 8.5 7.2 10.8



#38
Carbon Tetrachloride
Concen: 55.037 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010846.D
Acq: 19 Jun 2019 11:43

Tgt Ion: 117 Resp: 221732
Ion Ratio Lower Upper
117 100
119 95.4 74.2 111.4
121 30.8 22.9 34.3

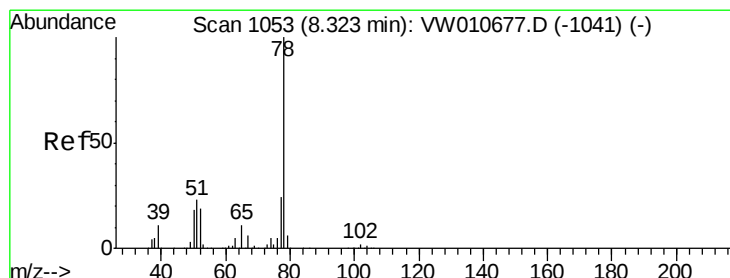
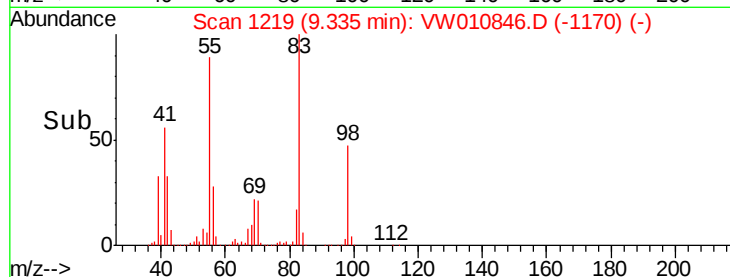
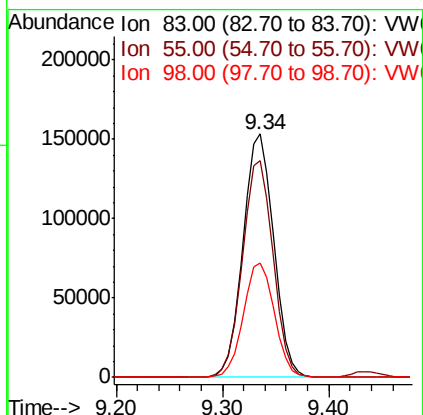
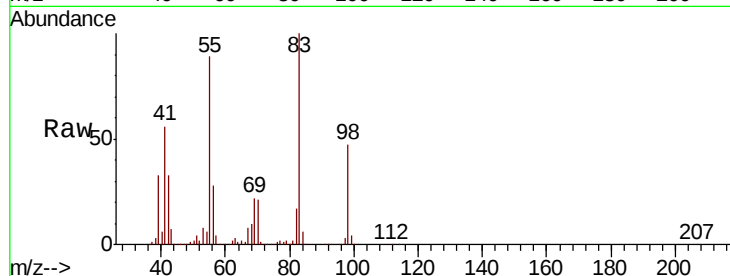




#39
Methvlcvclohexane
Concen: 52.469 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010846.D
Acq: 19 Jun 2019 11:43

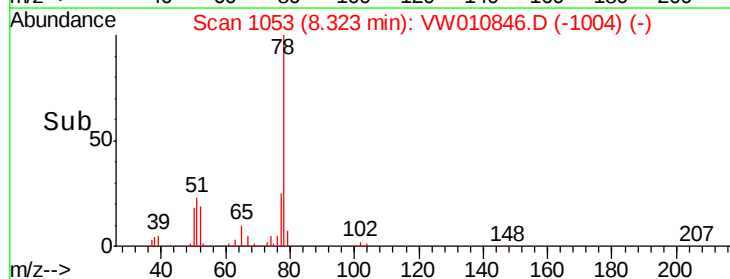
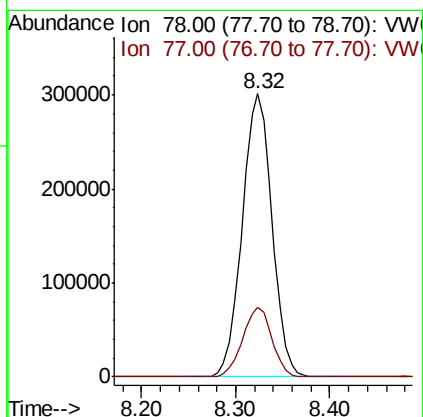
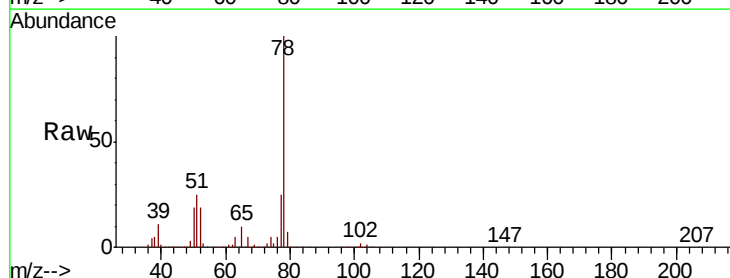
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

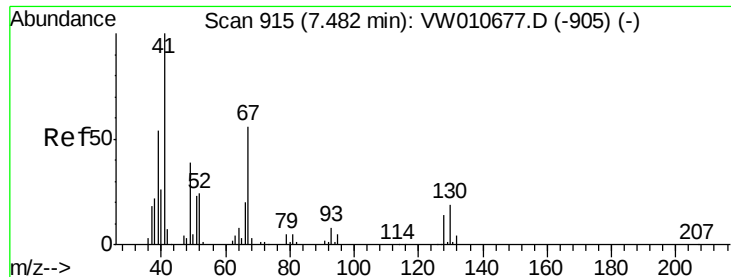
Tot Ion: 83 Resp: 311286
Ion Ratio Lower Upper
83 100
55 88.9 70.0 105.0
98 46.8 38.1 57.1



#40
Benzene
Concen: 52.154 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010846.D
Acq: 19 Jun 2019 11:43

Tgt Ion: 78 Resp: 664010
Ion Ratio Lower Upper
78 100
77 24.6 19.1 28.7

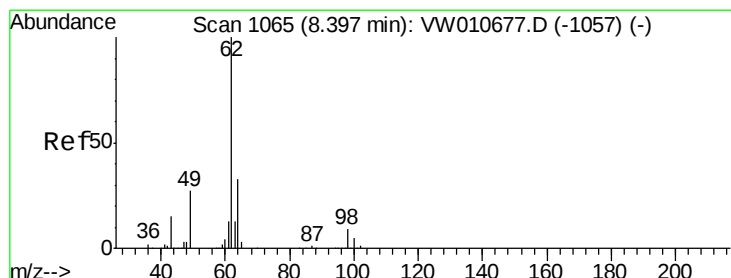
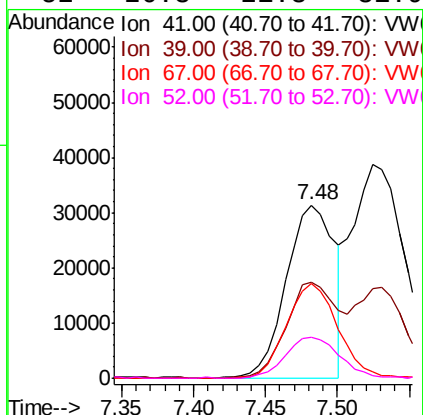
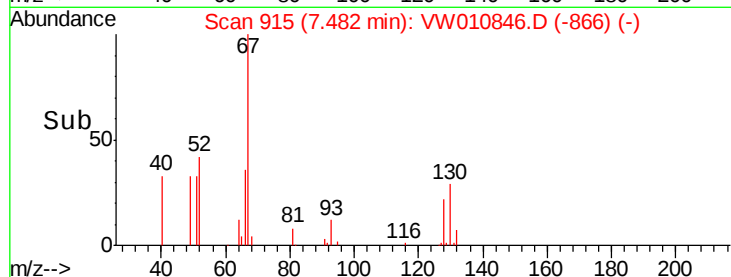
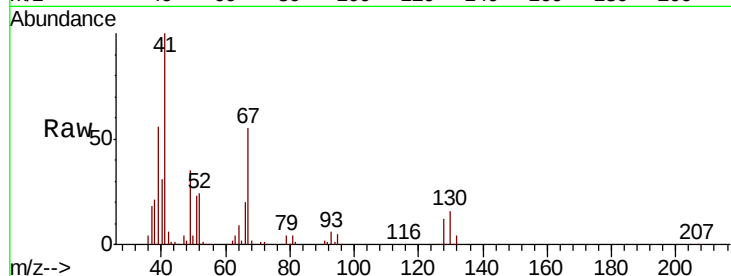




#41
Methacrylonitrile
Concen: 47.532 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010846.D
Acq: 19 Jun 2019 11:43

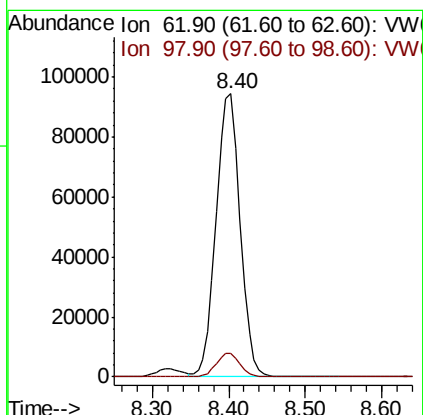
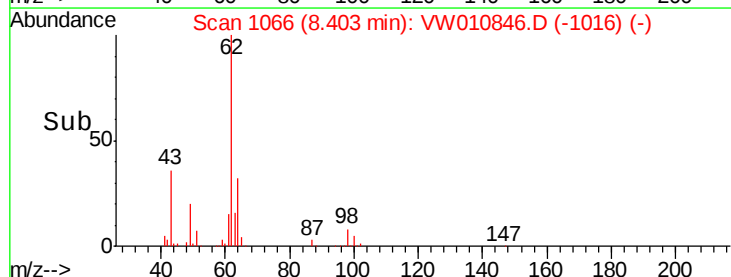
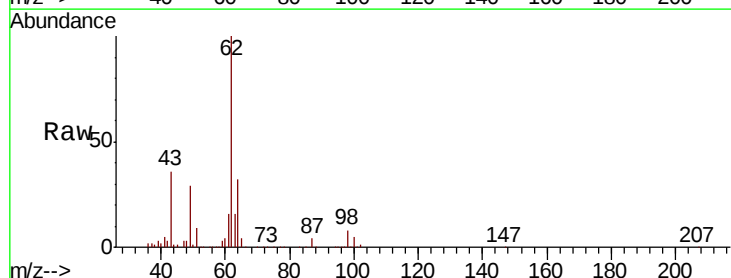
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

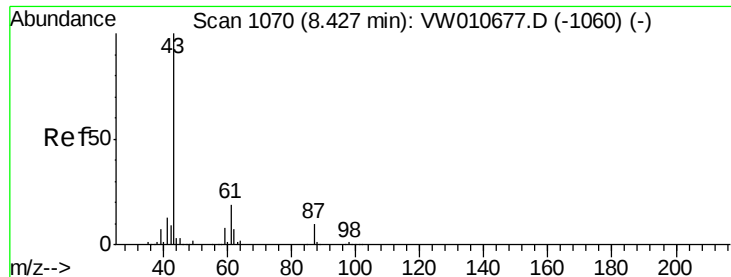
Tot Ion:	41	Resp:	73067
Ion	Ratio	Lower	Upper
41	100		
39	61.5	47.3	70.9
67	58.7	47.2	70.8
52	26.3	21.3	31.9



#42
1,2-Dichloroethane
Concen: 50.874 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010846.D
Acq: 19 Jun 2019 11:43

Tgt Ion:	62	Resp:	205573
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.2





#43

Isopropyl Acetate

Concen: 48.412 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

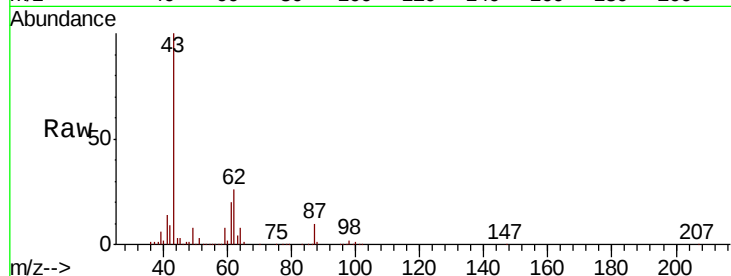
Tot Ion: 43 Resp: 241880

Ion Ratio Lower Upper

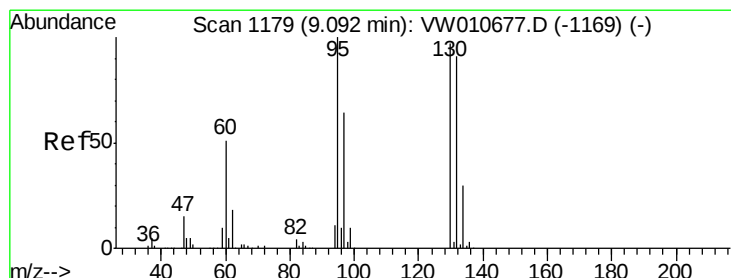
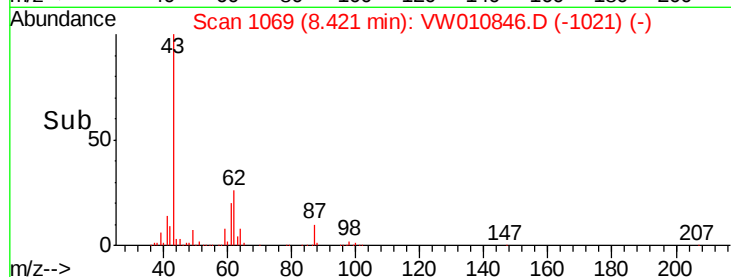
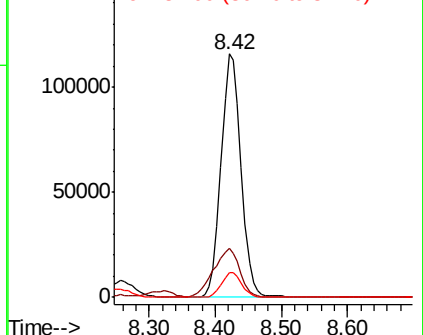
43 100

61 26.0 21.2 31.8

87 10.3 8.3 12.5



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



#44

Trichloroethene

Concen: 52.182 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010846.D

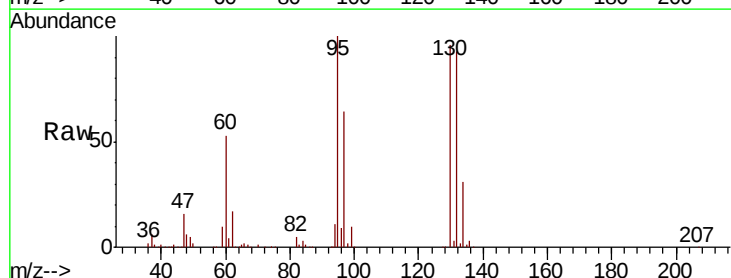
Acq: 19 Jun 2019 11:43

Tgt Ion: 130 Resp: 163884

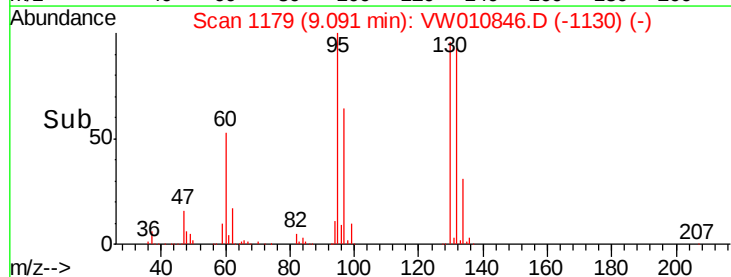
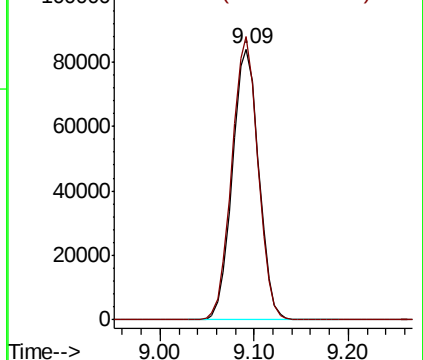
Ion Ratio Lower Upper

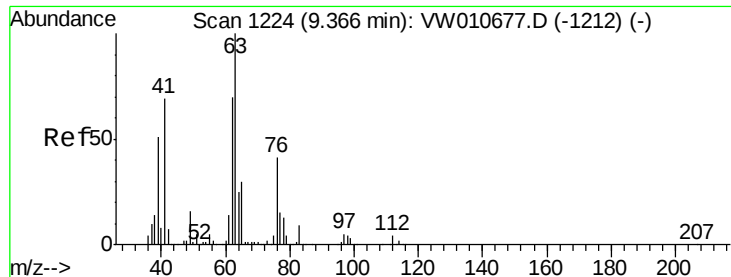
130 100

95 104.5 0.0 207.0



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

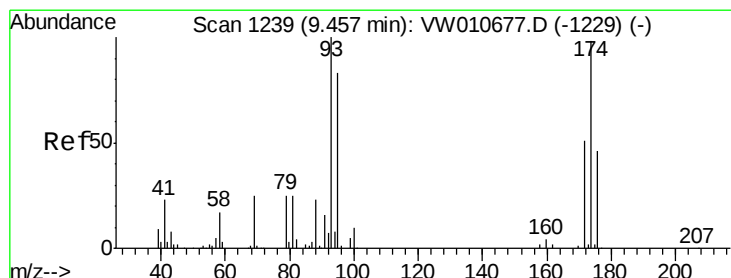
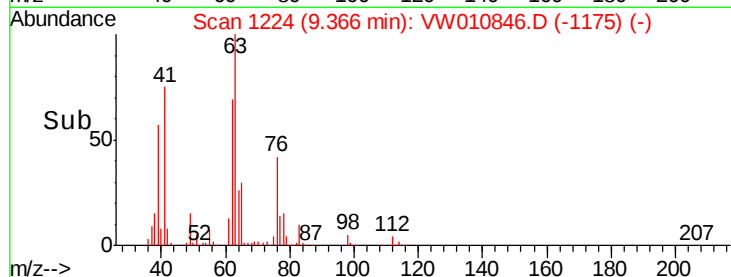
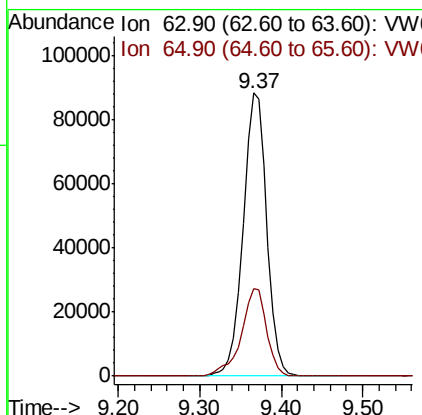
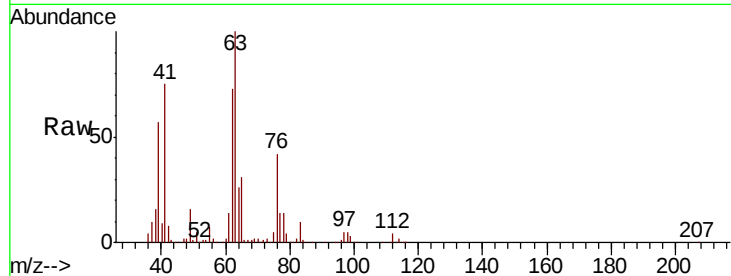




#45
 1,2-Dichloropropane
 Concen: 52.447 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW010846.D
 Acq: 19 Jun 2019 11:43

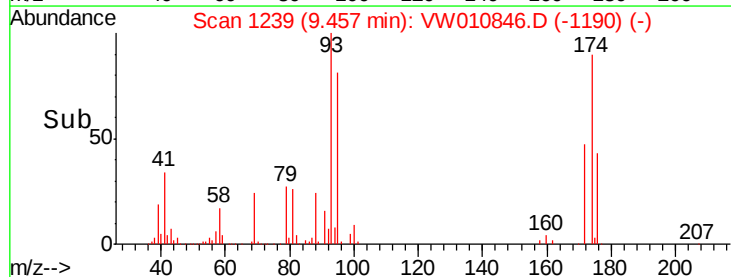
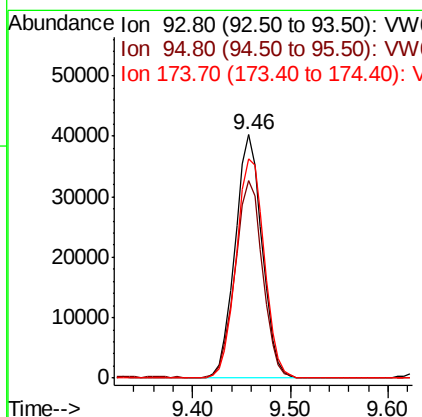
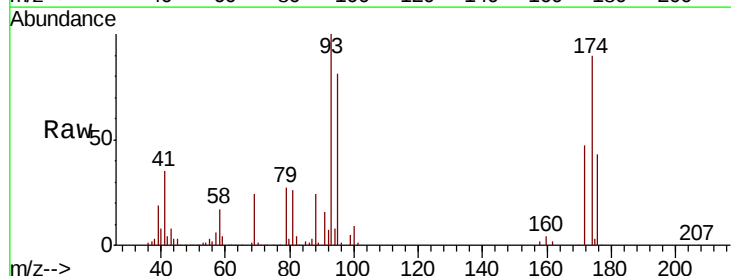
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

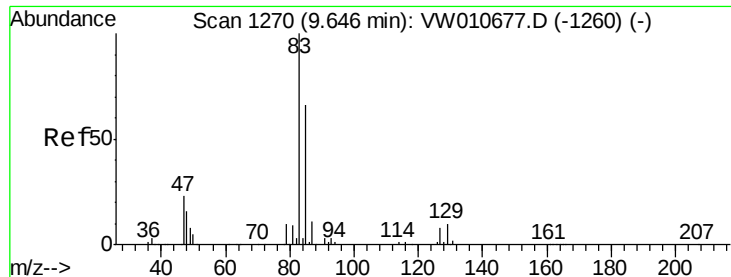
Tot Ion: 63 Resp: 176761
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.8 35.6



#46
 Dibromomethane
 Concen: 49.281 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010846.D
 Acq: 19 Jun 2019 11:43

Tgt Ion: 93 Resp: 77145
 Ion Ratio Lower Upper
 93 100
 95 83.0 65.8 98.8
 174 94.0 77.4 116.0





#47

Bromodichloromethane

Concen: 53.244 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

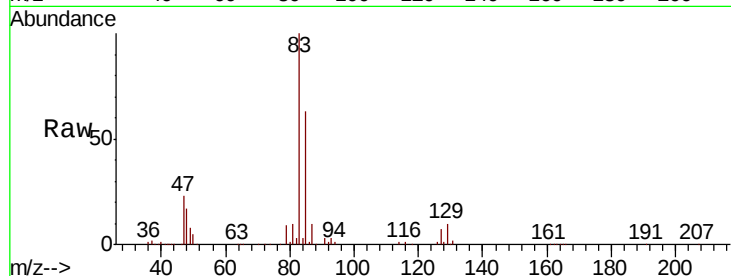
Tot Ion: 83 Resp: 216051

Ion Ratio Lower Upper

83 100

85 63.4 53.0 79.4

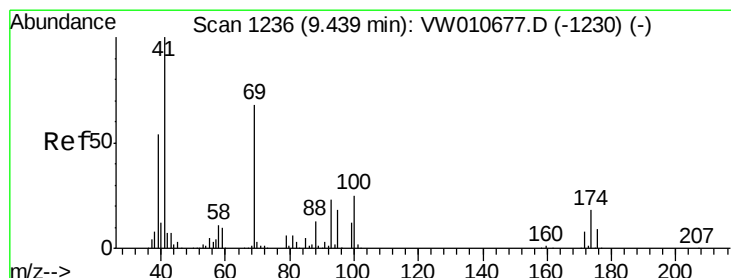
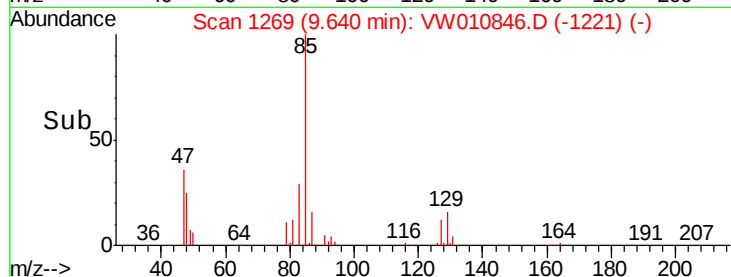
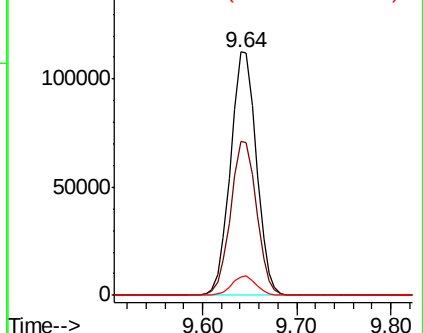
127 7.3 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 47.988 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

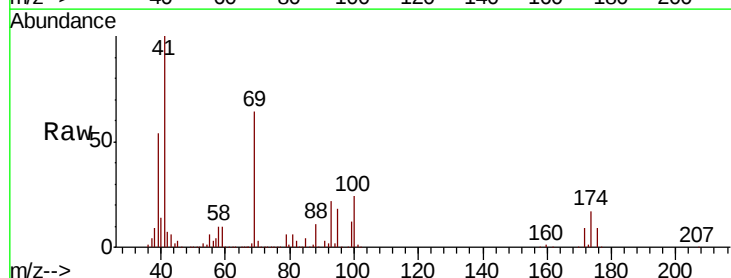
Tgt Ion: 41 Resp: 115601

Ion Ratio Lower Upper

41 100

69 69.9 56.6 85.0

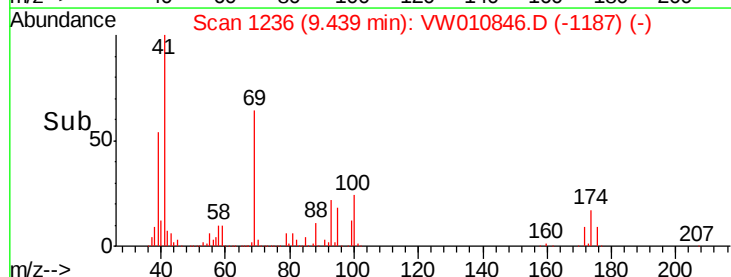
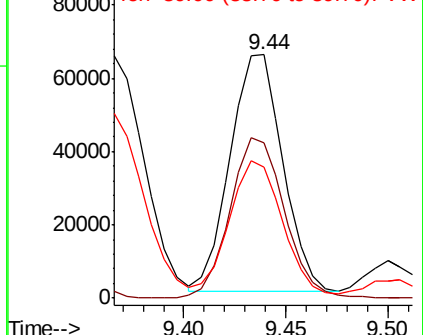
39 55.9 44.4 66.6

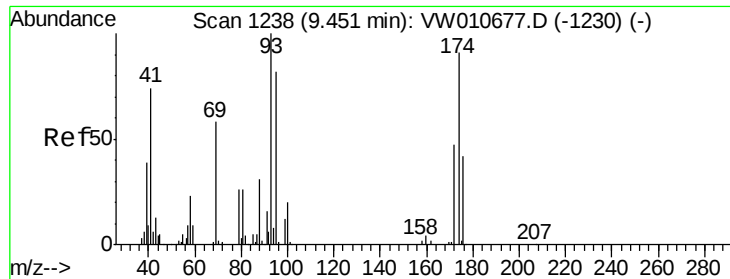


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

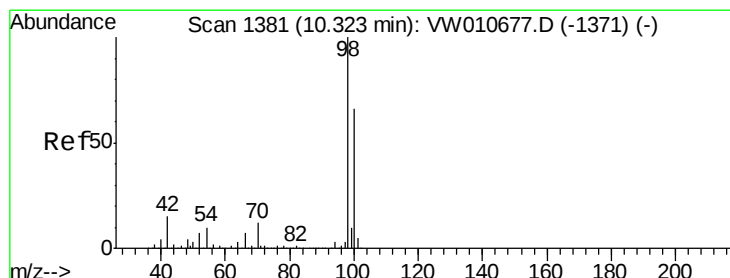
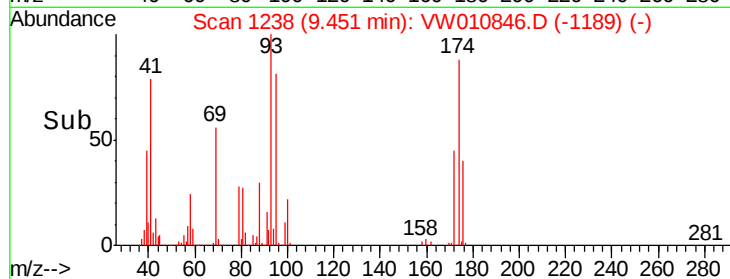
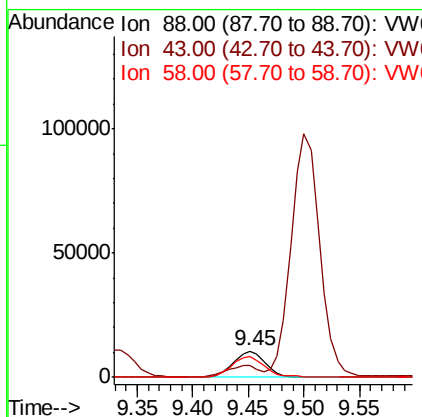
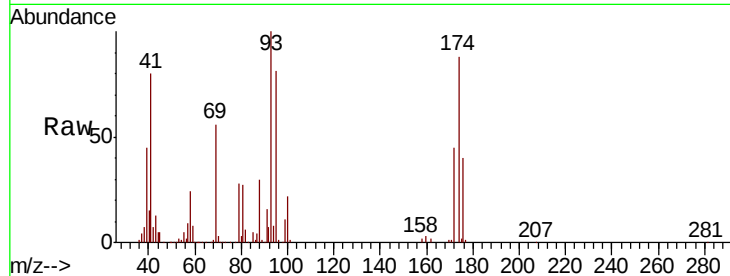




#49
1,4-Dioxane
Concen: 860.618 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VW010846.D
Acq: 19 Jun 2019 11:43

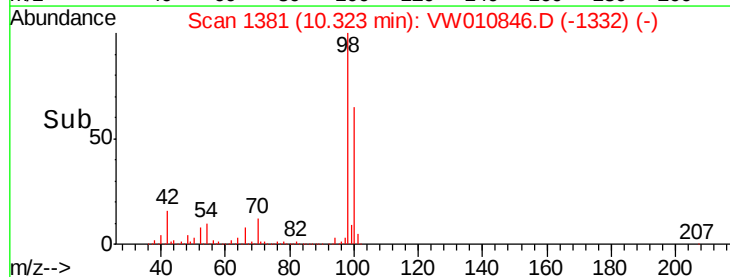
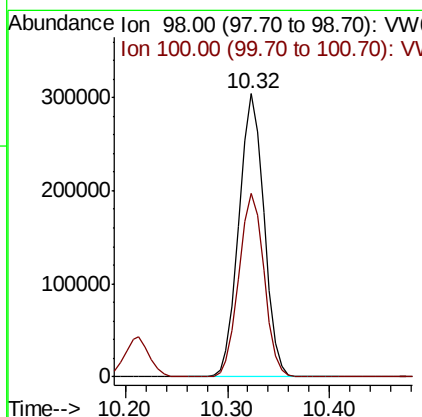
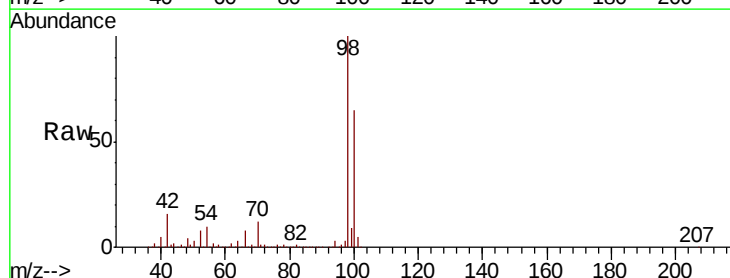
Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

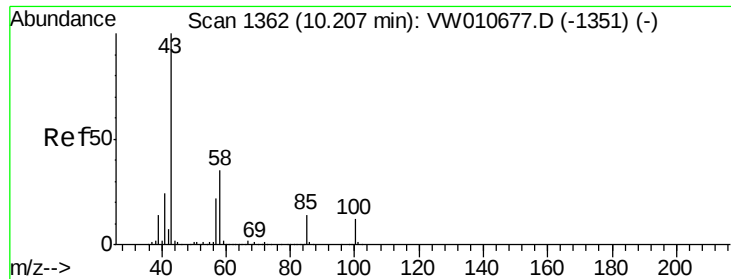
Tot Ion: 88 Resp: 21063
Ion Ratio Lower Upper
88 100
43 42.7 34.2 51.4
58 85.7 69.0 103.4



#50
Toluene-d8
Concen: 47.770 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010846.D
Acq: 19 Jun 2019 11:43

Tgt Ion: 98 Resp: 518395
Ion Ratio Lower Upper
98 100
100 64.9 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 237.456 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

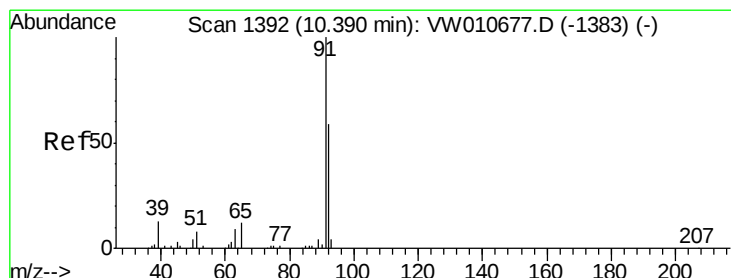
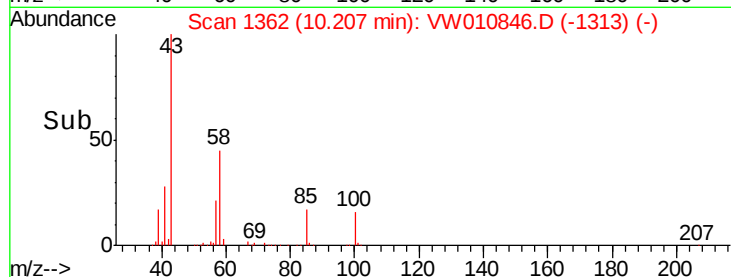
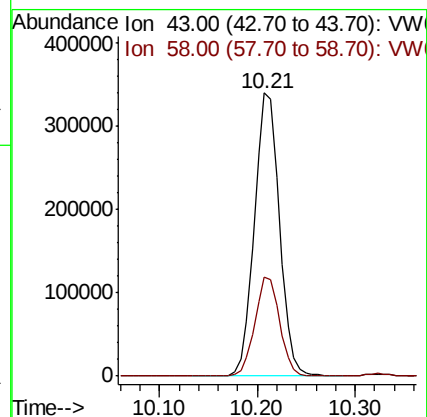
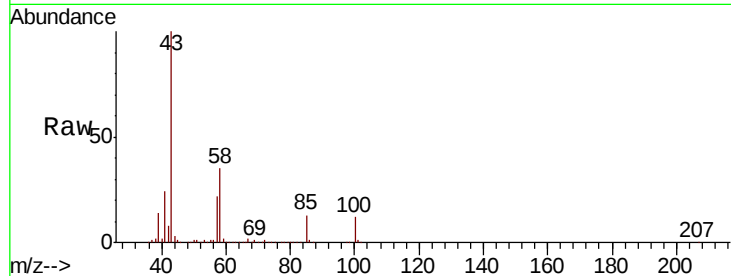
VSTDCCC050

Tot Ion: 43 Resp: 606099

Ion Ratio Lower Upper

43 100

58 34.8 28.4 42.6



#52

Toluene

Concen: 51.991 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010846.D

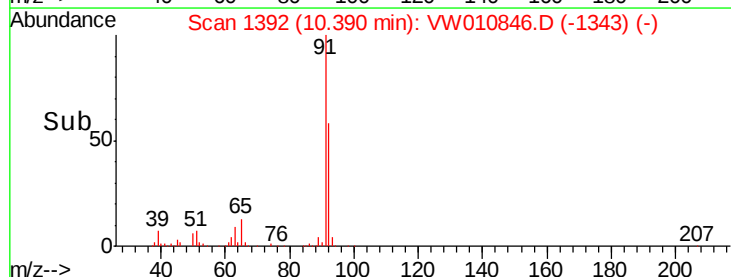
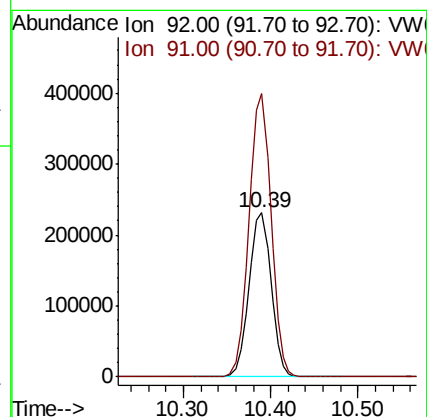
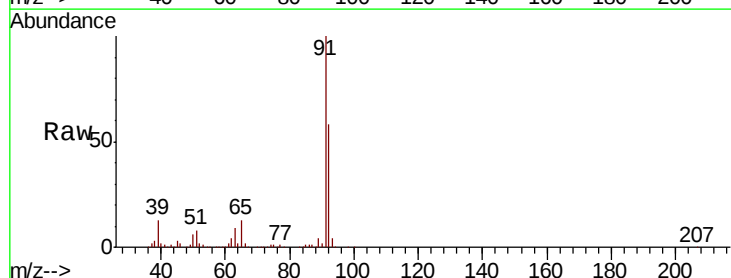
Acq: 19 Jun 2019 11:43

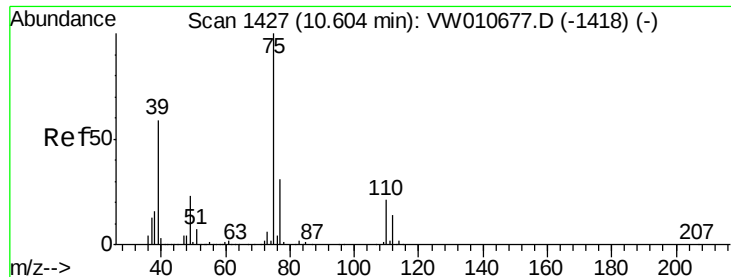
Tgt Ion: 92 Resp: 407277

Ion Ratio Lower Upper

92 100

91 171.6 134.9 202.3





#53

t-1,3-Dichloropropene

Concen: 52.072 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

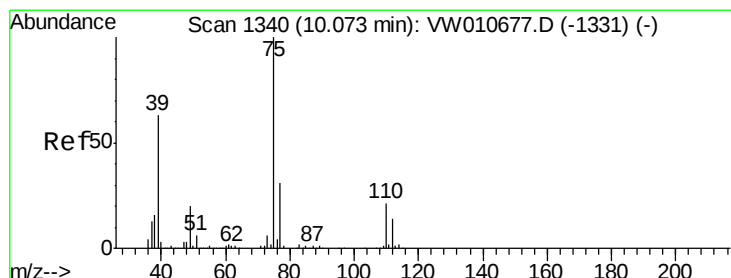
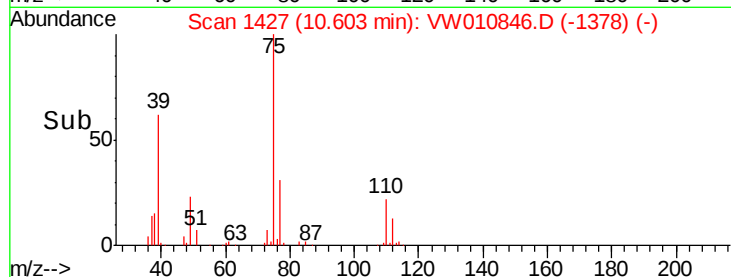
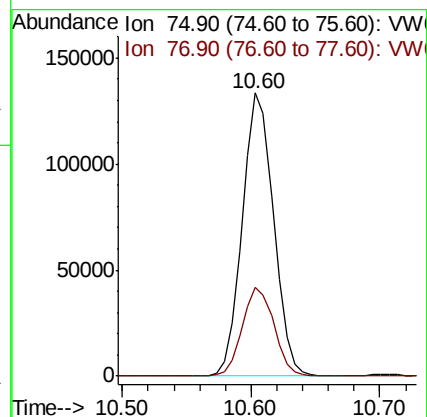
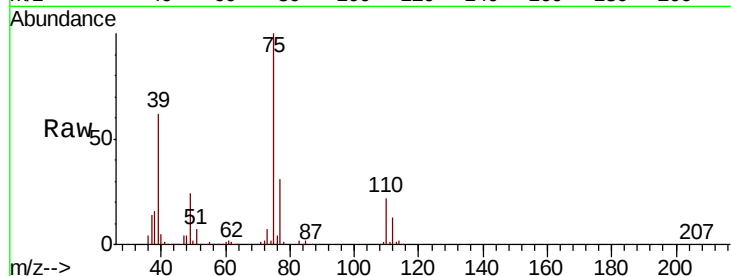
VSTDCCC050

Tot Ion: 75 Resp: 223805

Ion Ratio Lower Upper

75 100

77 31.4 24.6 36.8



#54

cis-1,3-Dichloropropene

Concen: 52.918 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

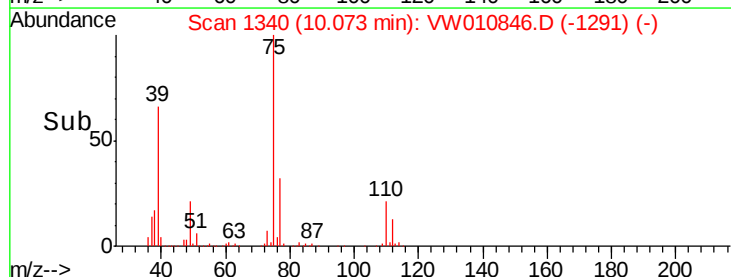
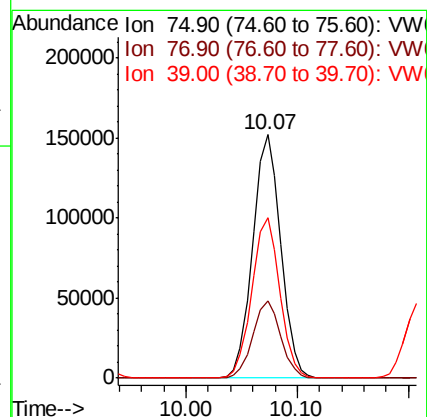
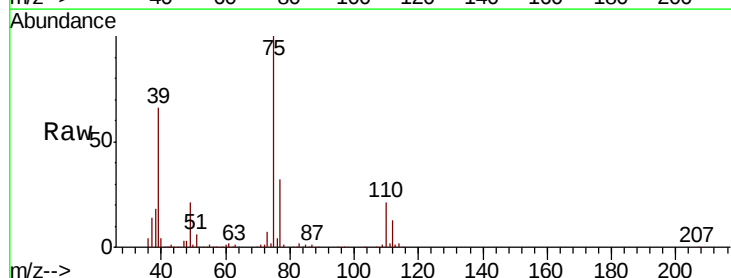
Tgt Ion: 75 Resp: 267632

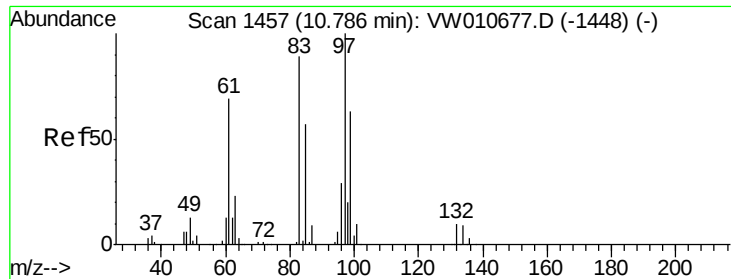
Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8

39 65.7 50.1 75.1

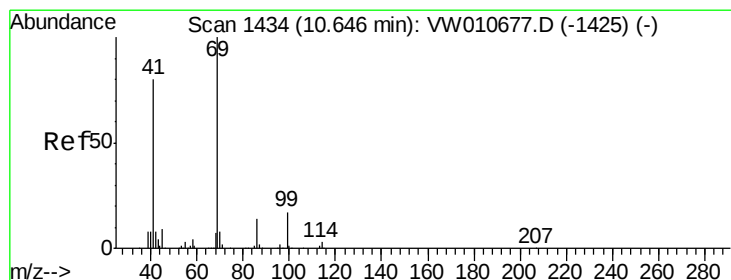
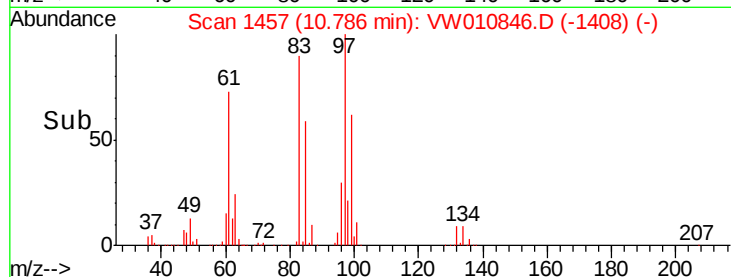
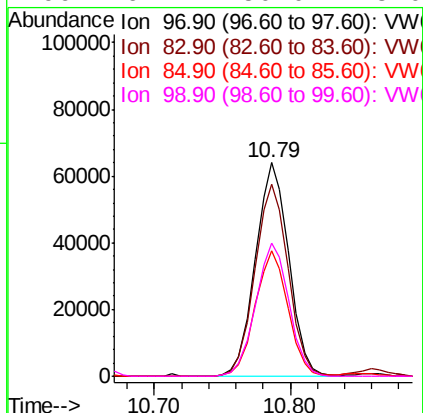
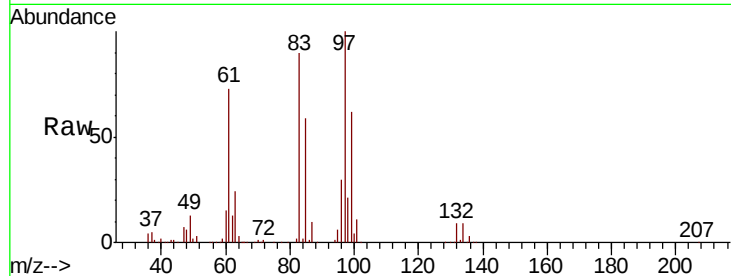




#55
 1,1,2-Trichloroethane
 Concen: 48.782 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010846.D
 Acq: 19 Jun 2019 11:43

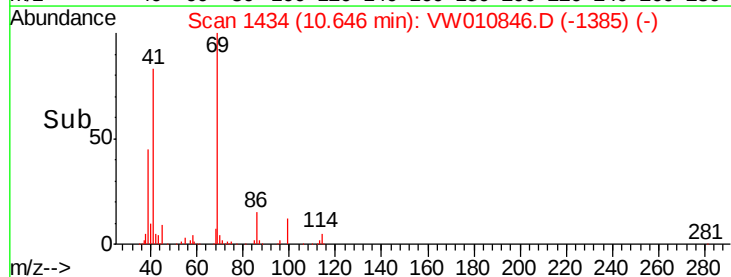
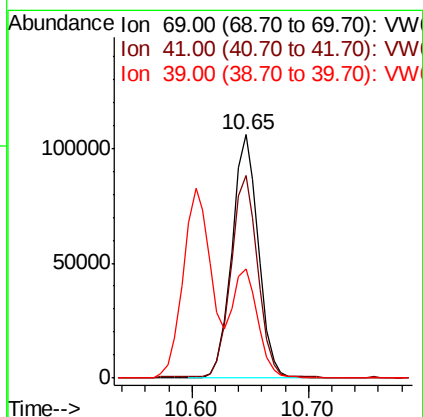
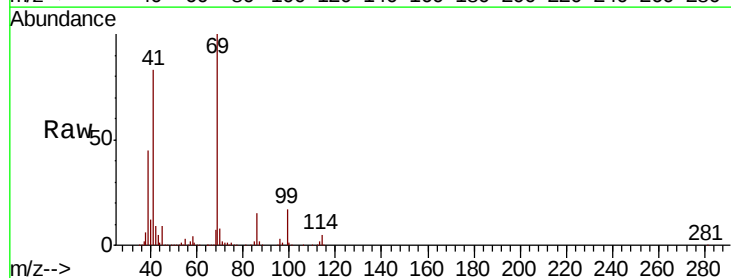
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	110009
Ion	Ratio	Lower	Upper
97	100		
83	89.7	71.1	106.7
85	58.5	45.2	67.8
99	62.2	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 48.066 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010846.D
 Acq: 19 Jun 2019 11:43

Tgt Ion:	69	Resp:	166791
Ion	Ratio	Lower	Upper
69	100		
41	84.1	64.8	97.2
39	42.9	32.2	48.2

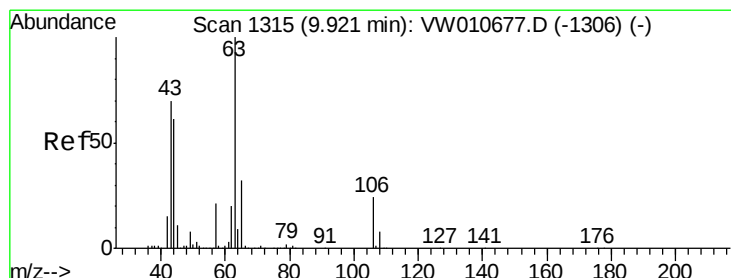
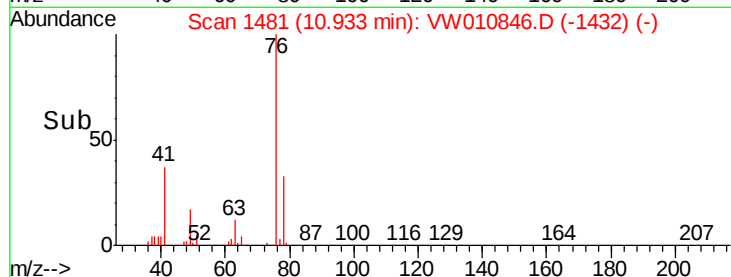
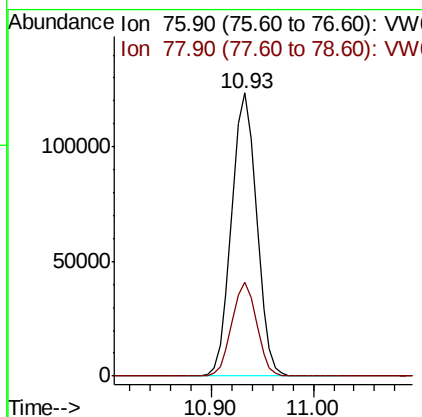
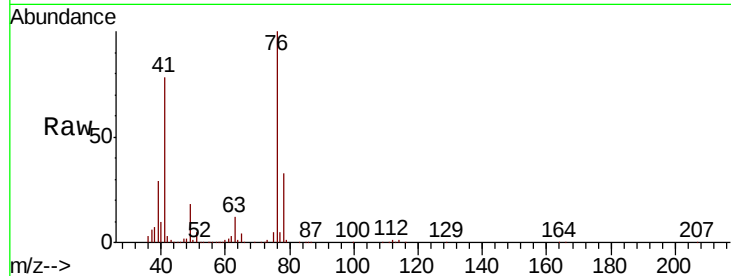




#57
 1,3-Dichloropropane
 Concen: 49.400 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010846.D
 Acq: 19 Jun 2019 11:43

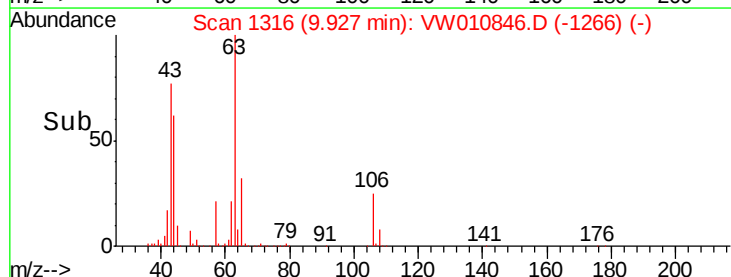
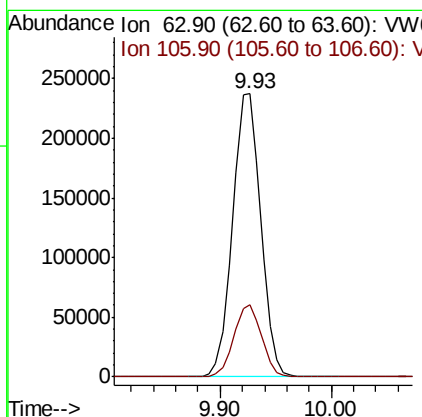
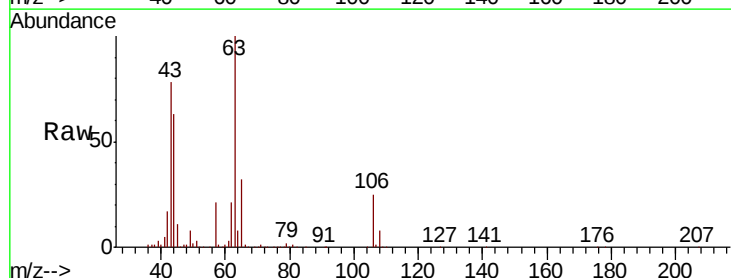
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

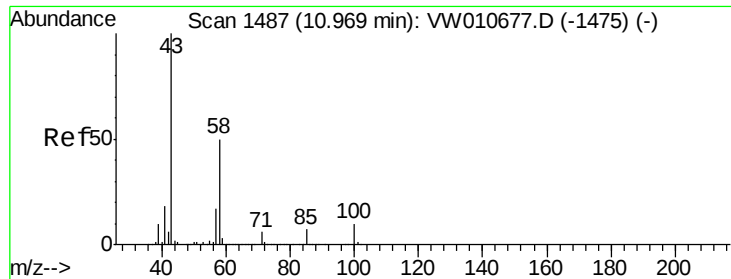
Tot Ion: 76 Resp: 209944
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 228.305 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW010846.D
 Acq: 19 Jun 2019 11:43

Tgt Ion: 63 Resp: 414949
 Ion Ratio Lower Upper
 63 100
 106 24.9 20.1 30.1





#59

2-Hexanone

Concen: 239.854 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

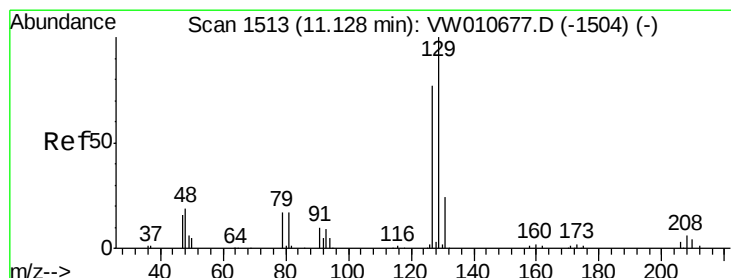
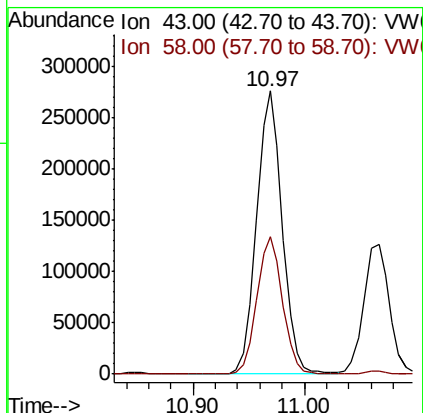
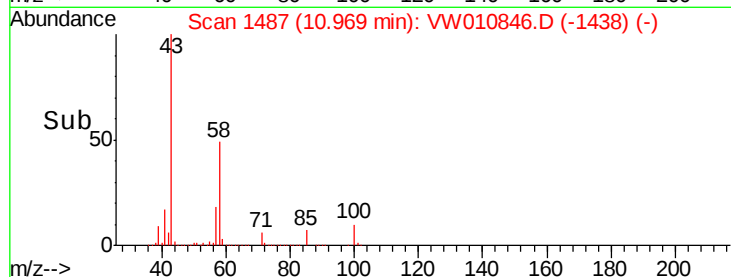
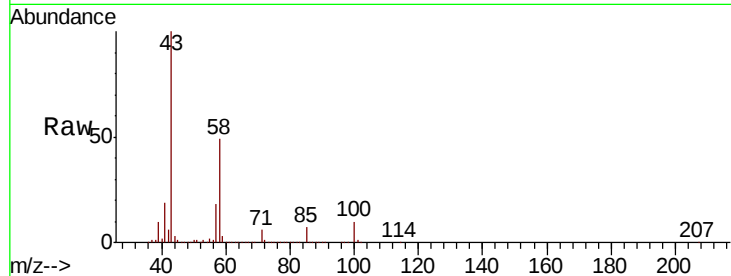
VSTDCCC050

Tot Ion: 43 Resp: 442465

Ion Ratio Lower Upper

43 100

58 48.7 24.9 74.6



#60

Dibromochloromethane

Concen: 50.798 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW010846.D

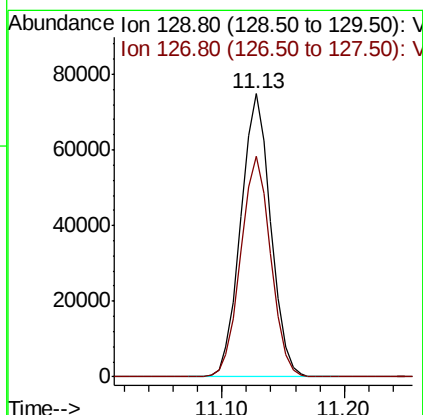
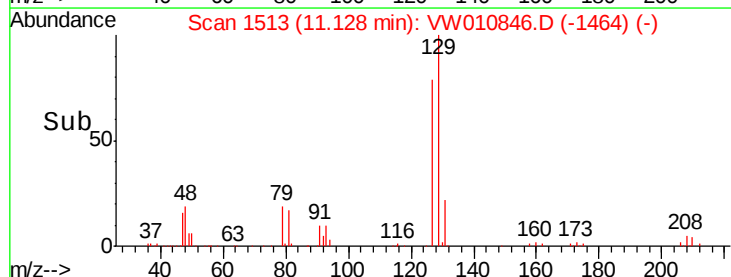
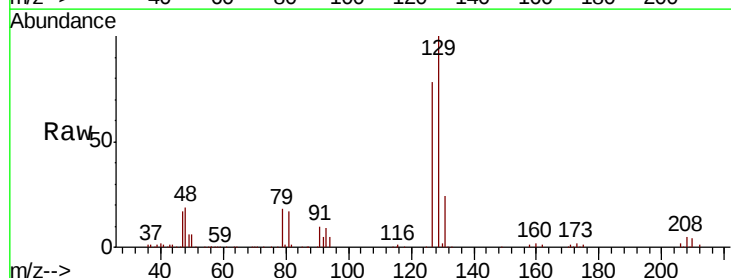
Acq: 19 Jun 2019 11:43

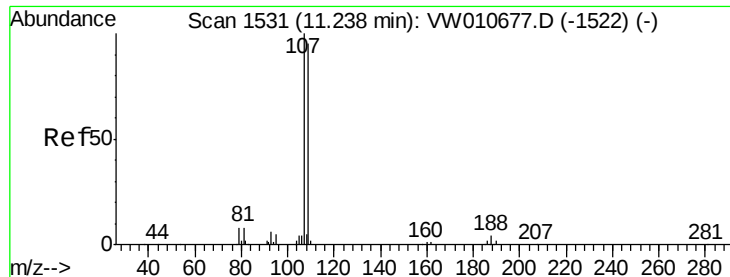
Tgt Ion: 129 Resp: 126989

Ion Ratio Lower Upper

129 100

127 78.0 38.6 116.0





#61

1,2-Dibromoethane

Concen: 48.481 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

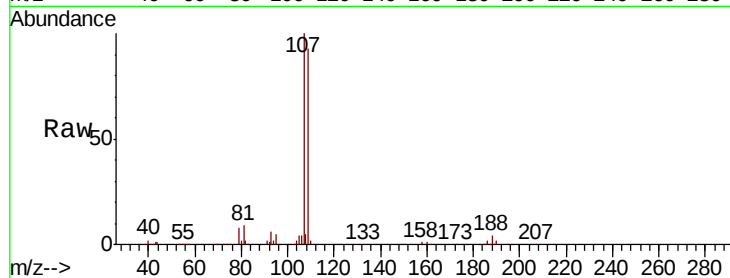
VSTDCCC050

Tot Ion: 107 Resp: 103587

Ion Ratio Lower Upper

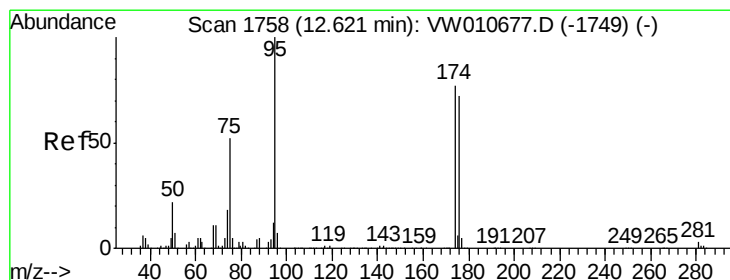
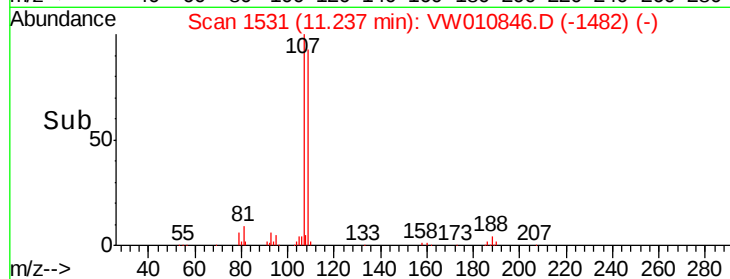
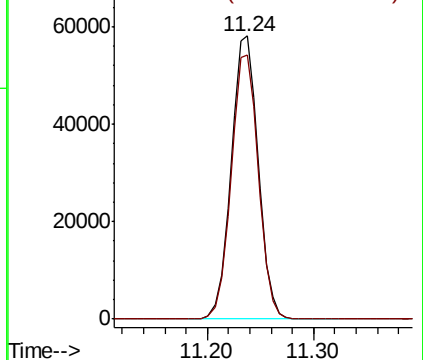
107 100

109 93.8 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.437 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

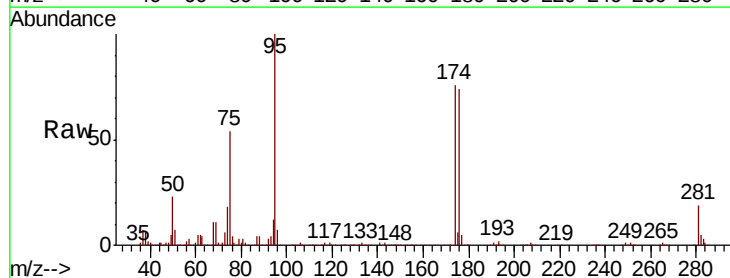
Tgt Ion: 95 Resp: 187322

Ion Ratio Lower Upper

95 100

174 73.3 0.0 150.4

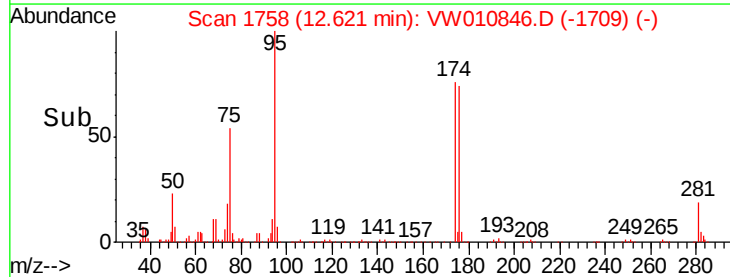
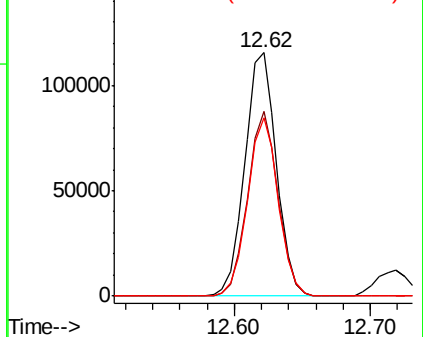
176 71.5 0.0 144.8

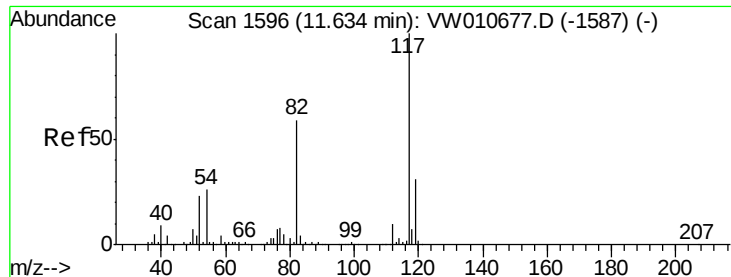


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

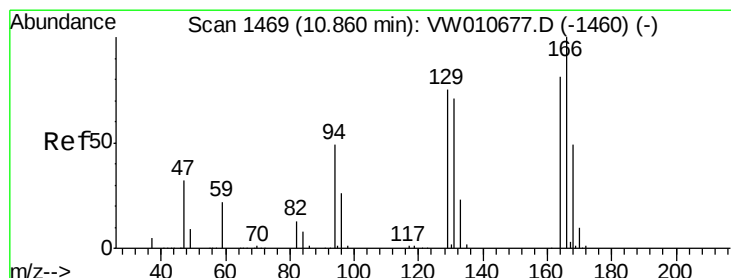
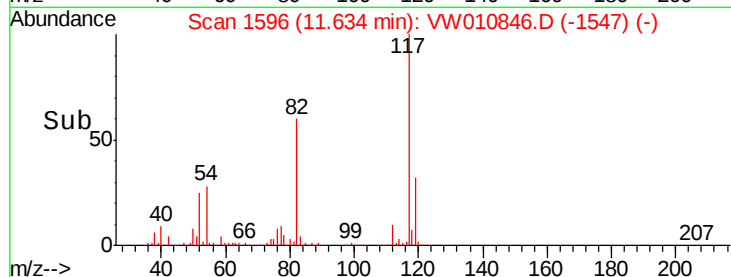
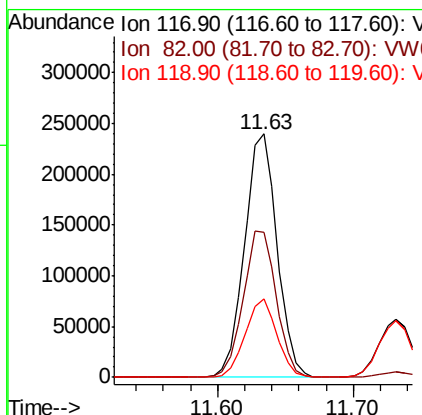
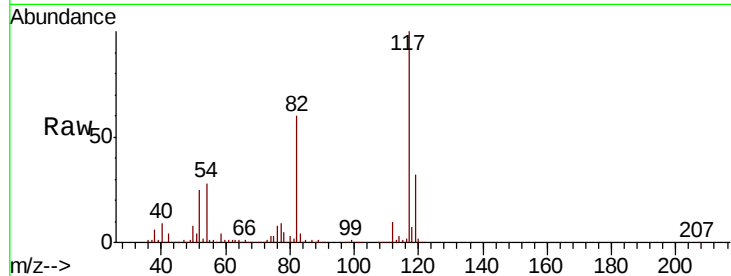




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010846.D
Acq: 19 Jun 2019 11:43

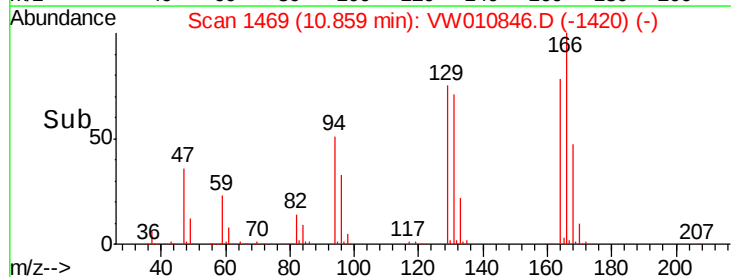
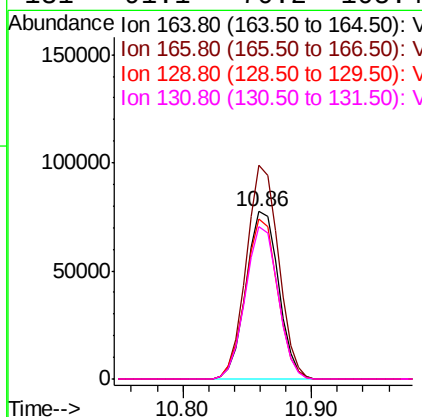
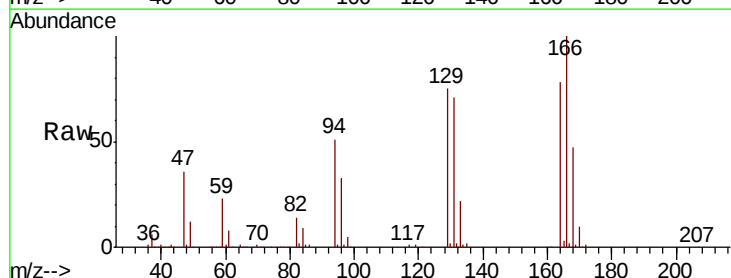
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

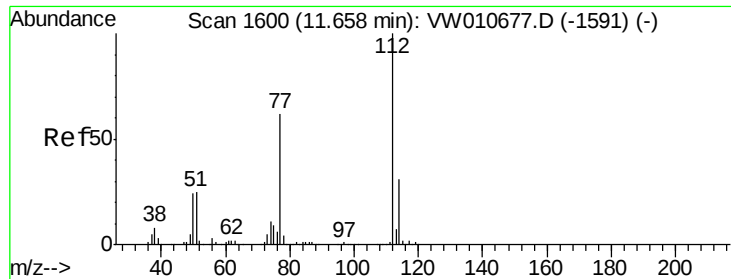
Tot Ion:117 Resp: 400407
Ion Ratio Lower Upper
117 100
82 59.7 47.0 70.4
119 32.3 25.1 37.7



#64
Tetrachloroethene
Concen: 50.796 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010846.D
Acq: 19 Jun 2019 11:43

Tgt Ion:164 Resp: 135044
Ion Ratio Lower Upper
164 100
166 127.5 99.2 148.8
129 95.5 74.6 112.0
131 91.1 70.2 105.4

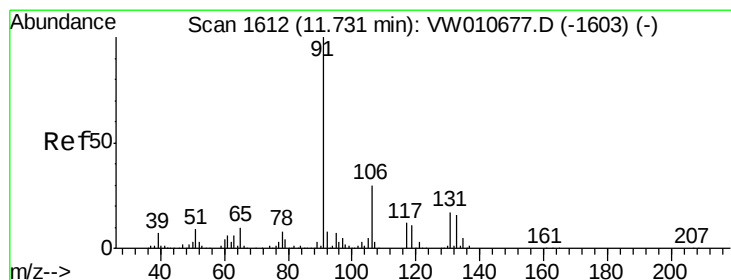
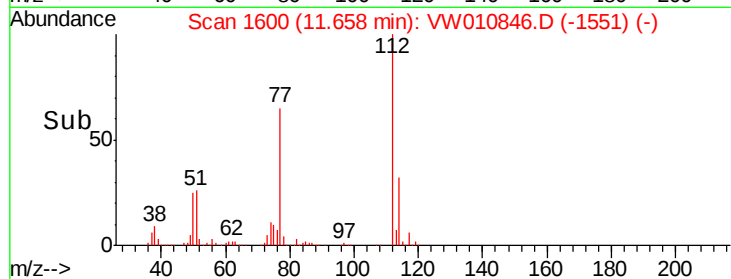
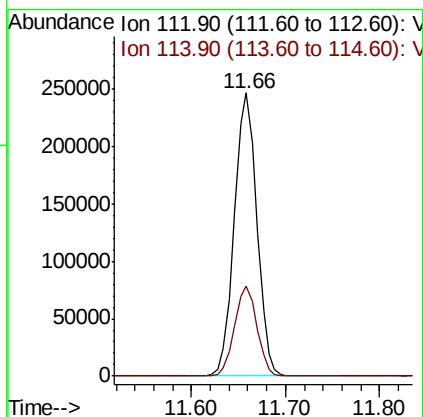
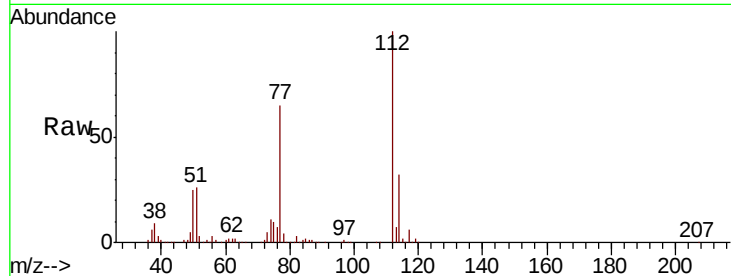




#65
Chlorobenzene
Concen: 52.034 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010846.D
Acq: 19 Jun 2019 11:43

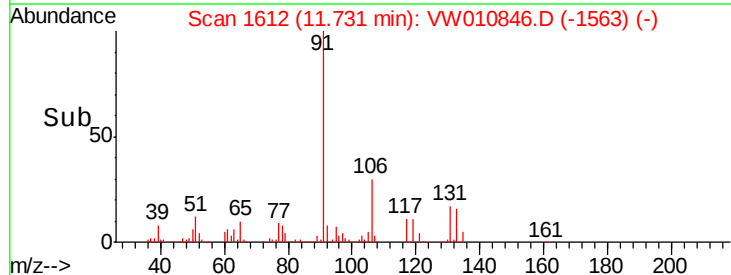
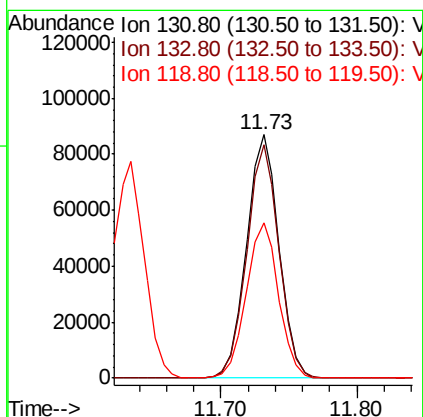
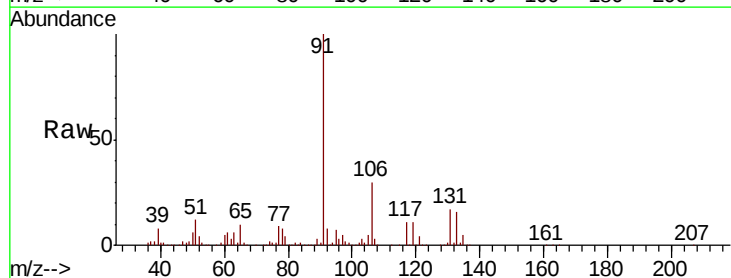
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

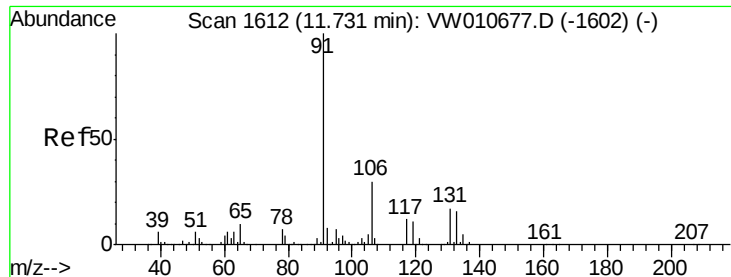
Tot Ion:112 Resp: 409715
Ion Ratio Lower Upper
112 100
114 31.9 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 53.183 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010846.D
Acq: 19 Jun 2019 11:43

Tgt Ion:131 Resp: 144961
Ion Ratio Lower Upper
131 100
133 95.3 47.3 141.9
119 63.7 32.4 97.0

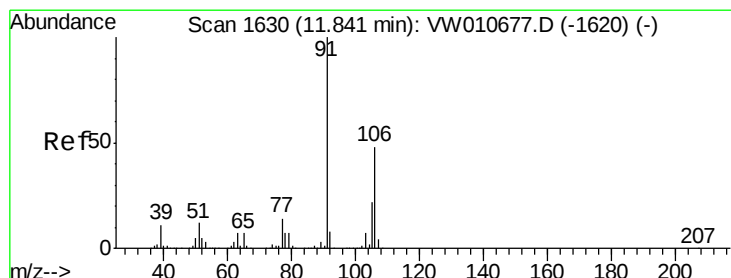
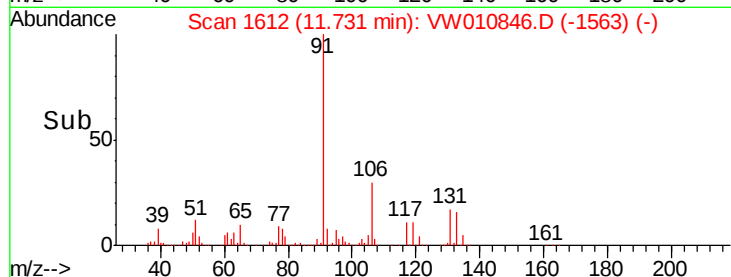
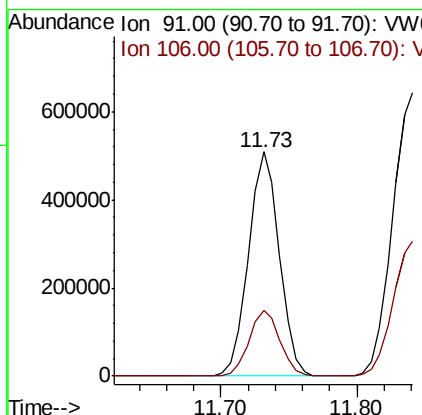
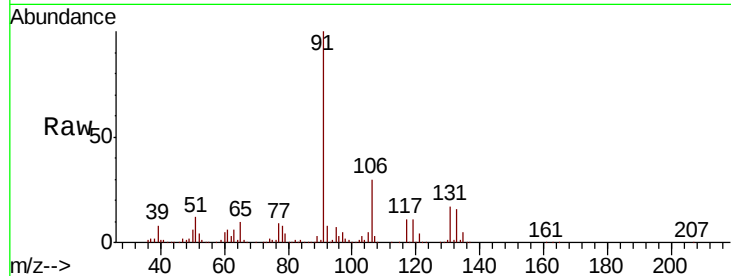




#67
Ethyl Benzene
Concen: 53.414 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010846.D
Acq: 19 Jun 2019 11:43

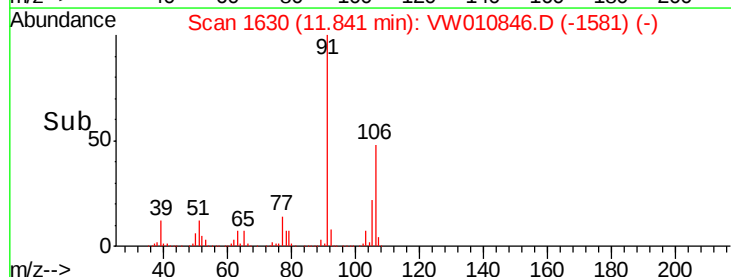
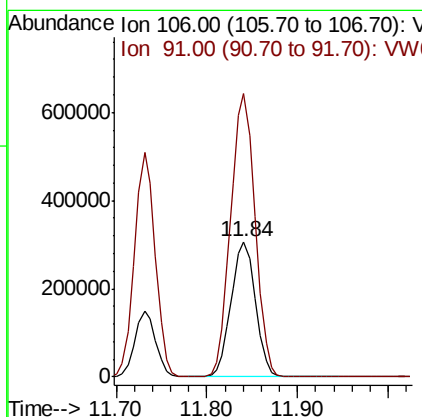
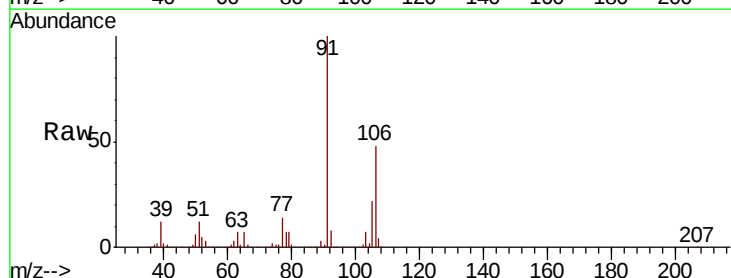
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

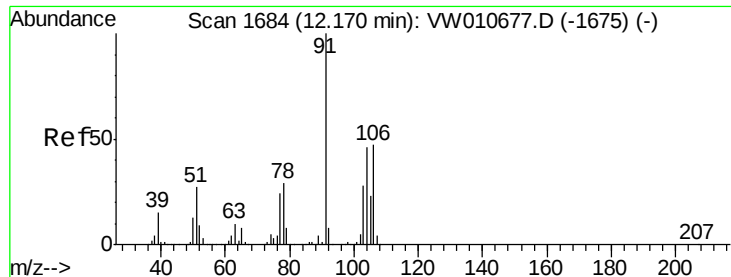
Tot Ion: 91 Resp: 808294
Ion Ratio Lower Upper
91 100
106 29.5 24.2 36.4



#68
m/p-Xylenes
Concen: 105.300 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010846.D
Acq: 19 Jun 2019 11:43

Tgt Ion: 106 Resp: 570415
Ion Ratio Lower Upper
106 100
91 210.9 166.5 249.7

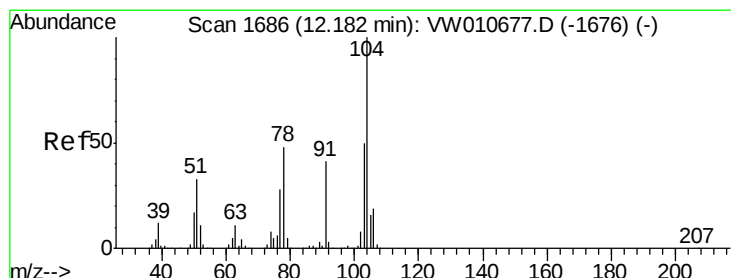
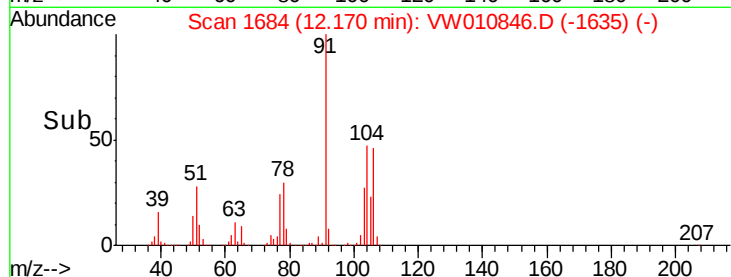
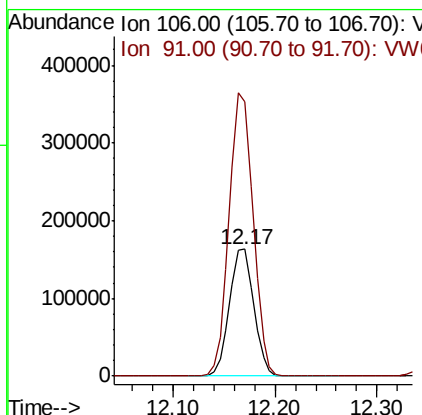
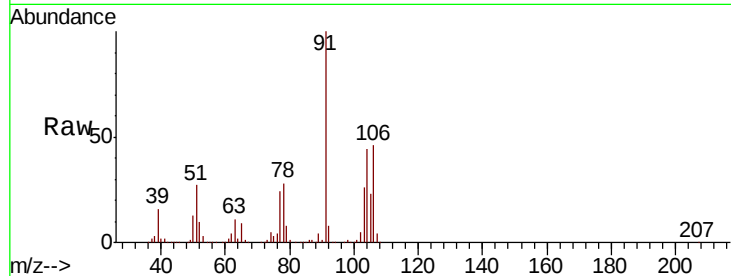




#69
o-Xylene
Concen: 52.368 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW010846.D
Acq: 19 Jun 2019 11:43

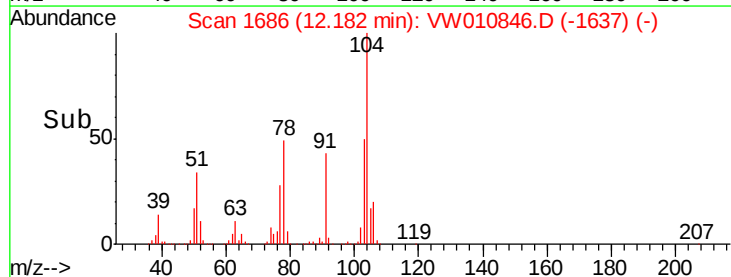
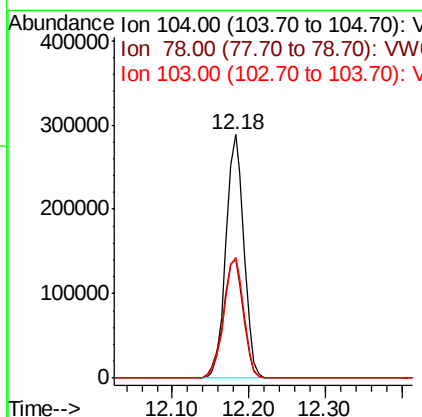
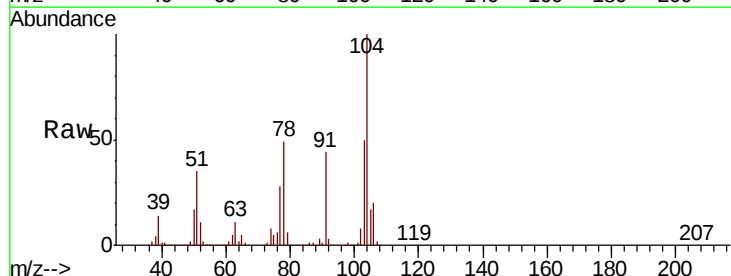
Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

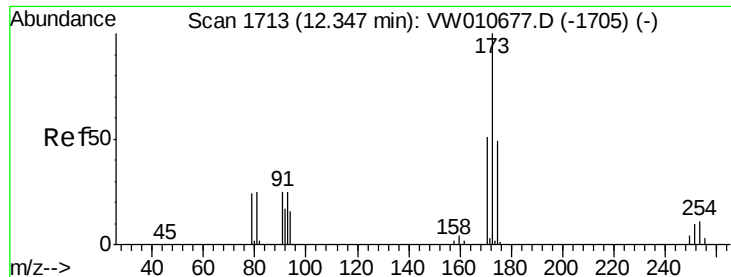
Tot Ion:106 Resp: 269050
Ion Ratio Lower Upper
106 100
91 220.9 108.9 326.6



#70
Styrene
Concen: 52.348 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010846.D
Acq: 19 Jun 2019 11:43

Tgt Ion:104 Resp: 467196
Ion Ratio Lower Upper
104 100
78 54.6 42.7 64.1
103 54.5 43.6 65.4





#71

Bromoform

Concen: 49.392 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

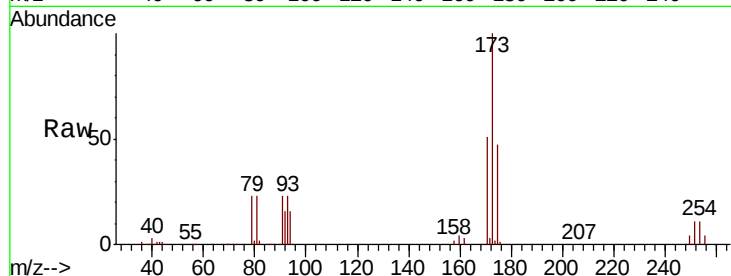
Tot Ion:173 Resp: 69627

Ion Ratio Lower Upper

173 100

175 48.8 24.3 72.8

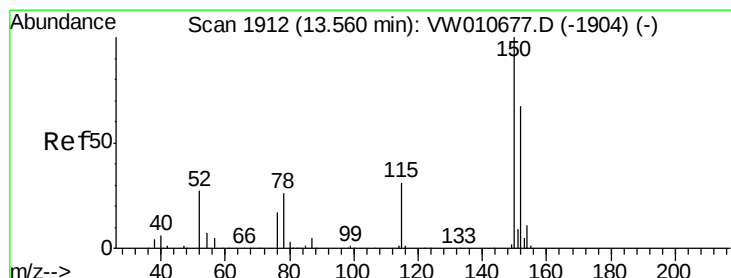
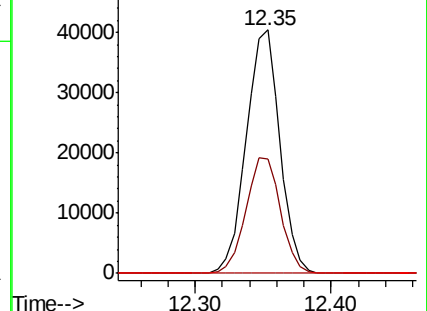
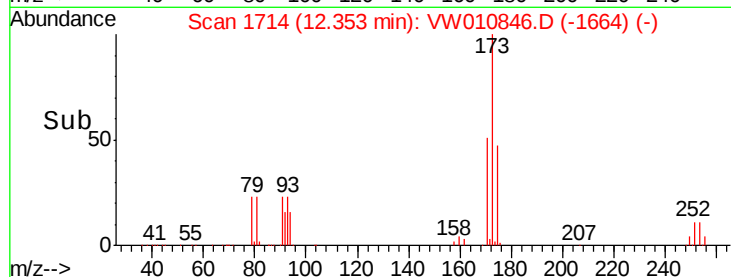
254 0.1 0.1 0.1



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

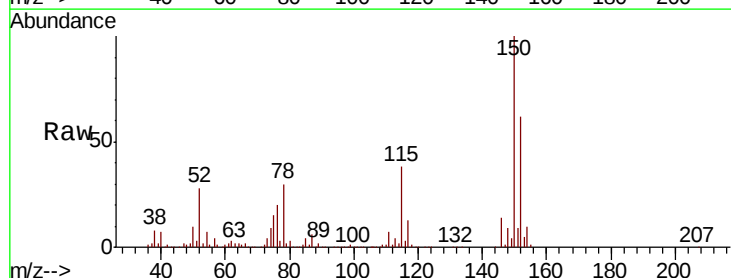
Tgt Ion:152 Resp: 188267

Ion Ratio Lower Upper

152 100

115 60.9 29.8 89.3

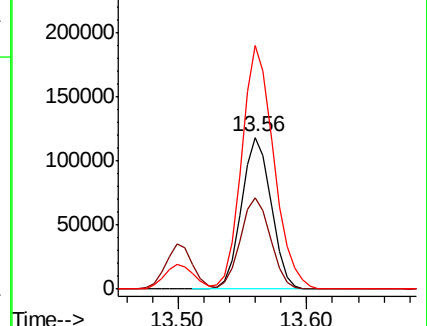
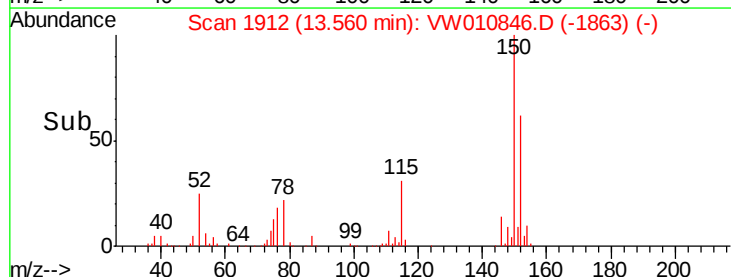
150 173.6 0.0 345.0

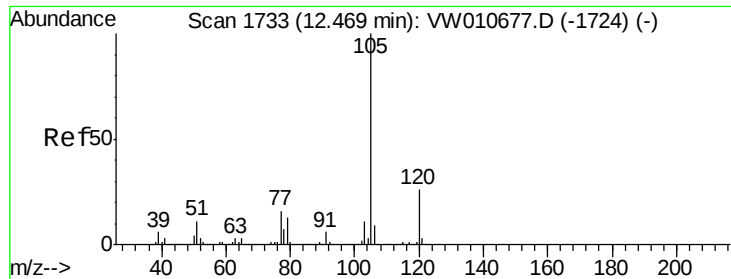


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.631 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

Instrument :

MSVOA_W

ClientSampled :

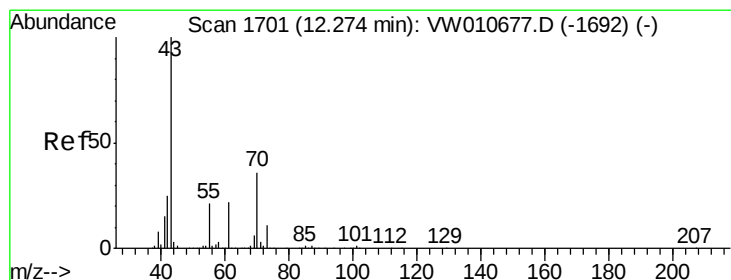
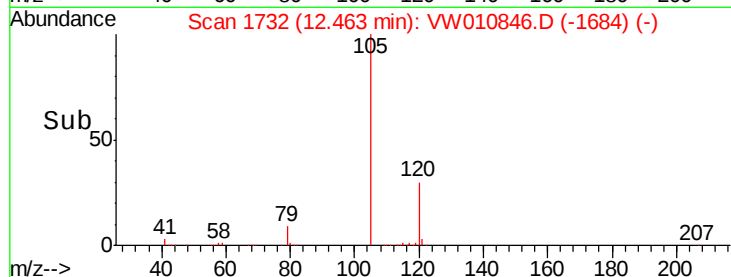
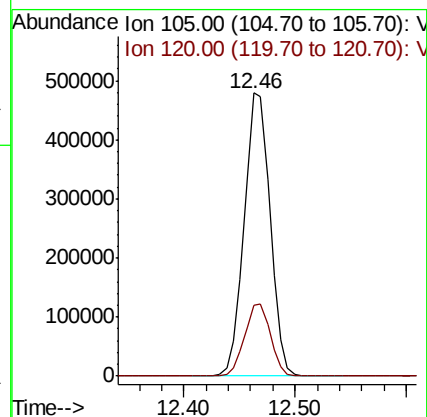
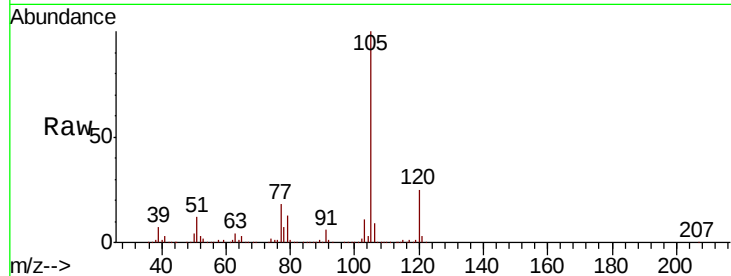
VSTDCCC050

Tot Ion:105 Resp: 772890

Ion Ratio Lower Upper

105 100

120 25.5 13.1 39.1



#74

N-ethyl acetate

Concen: 49.254 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

Tgt Ion: 43 Resp: 225205

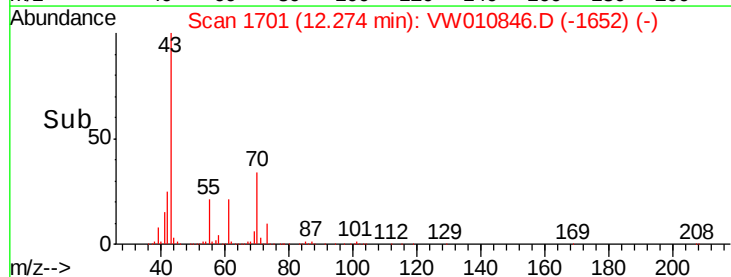
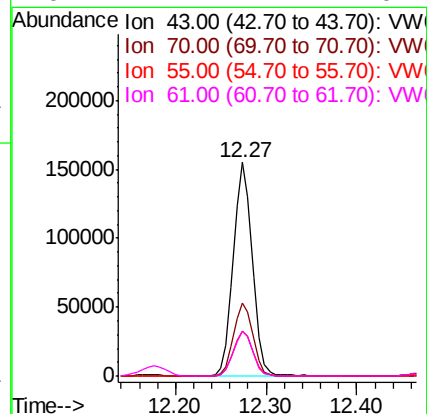
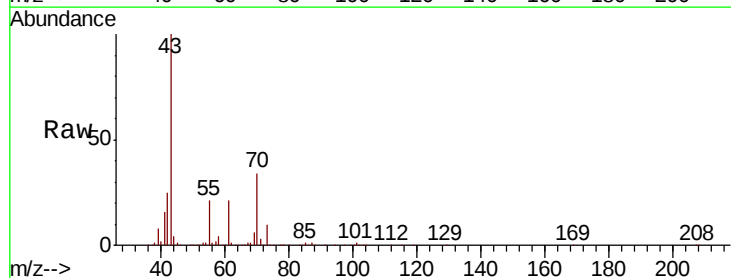
Ion Ratio Lower Upper

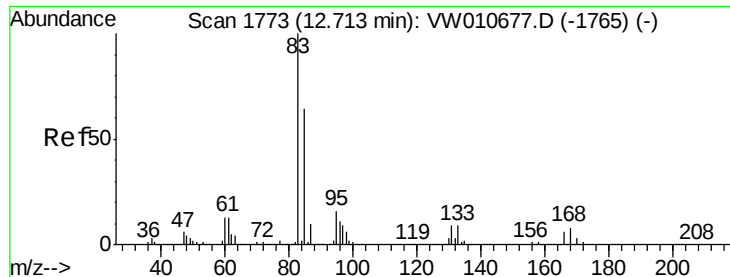
43 100

70 34.9 29.2 43.8

55 21.4 17.5 26.3

61 21.1 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 48.572 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

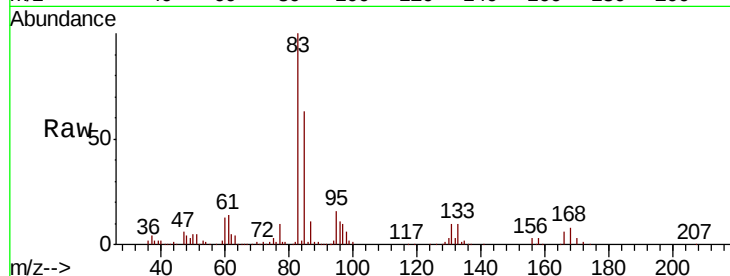
Tot Ion: 83 Resp: 130819

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	63.3	31.9	95.9

83 100

131 9.8 4.9 14.7

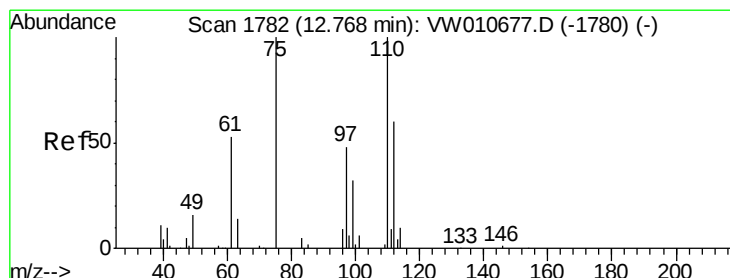
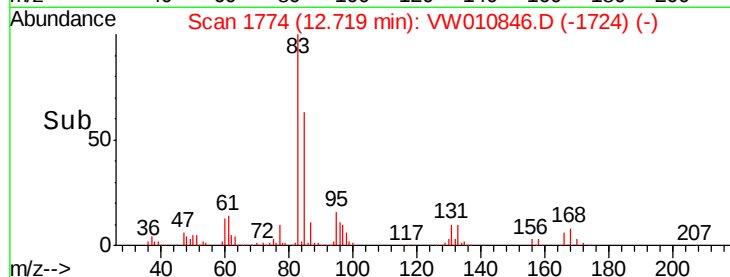
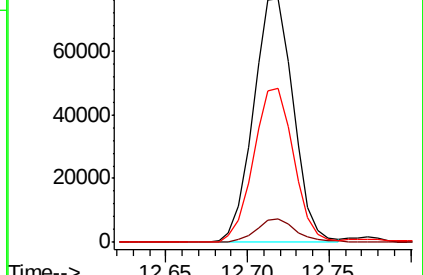
85 63.3 31.9 95.9



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: 90.361 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010846.D

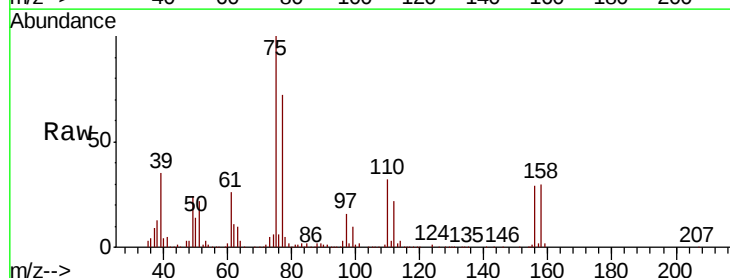
Acq: 19 Jun 2019 11:43

Tgt Ion: 75 Resp: 178649

Ion	Ratio	Lower	Upper
75	100		
77	193.5	0.0	0.0#

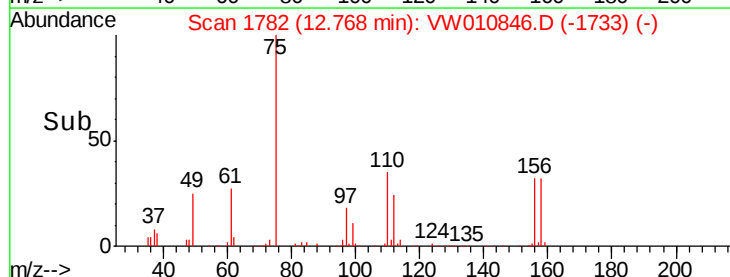
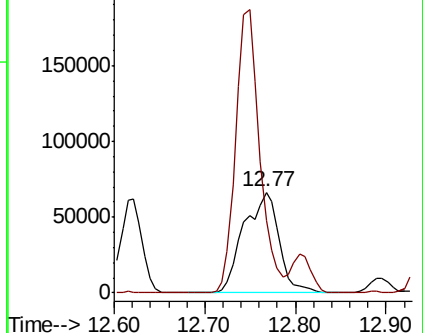
75 100

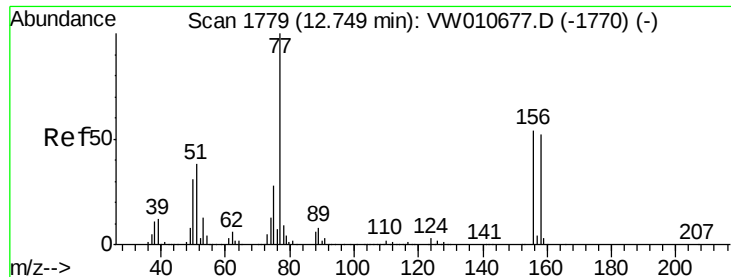
77 193.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 51.746 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

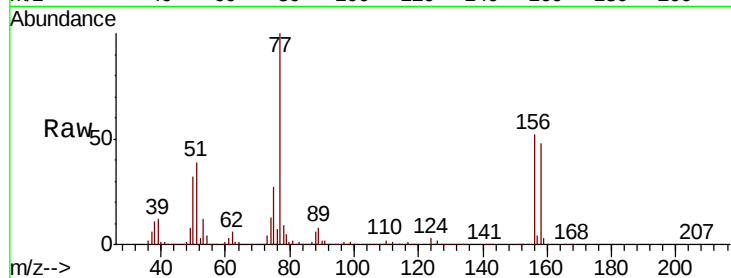
Tot Ion:156 Resp: 159800

Ion Ratio Lower Upper

156 100

77 216.3 106.5 319.4

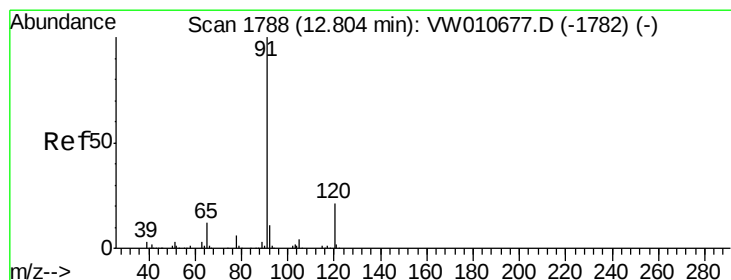
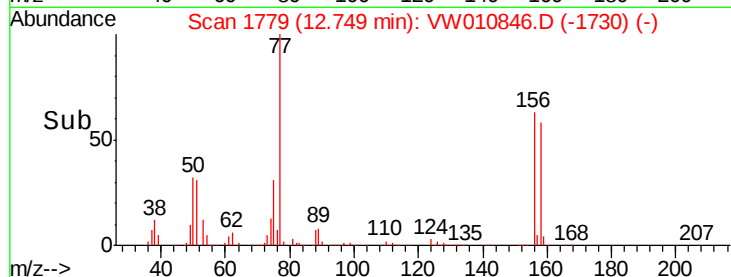
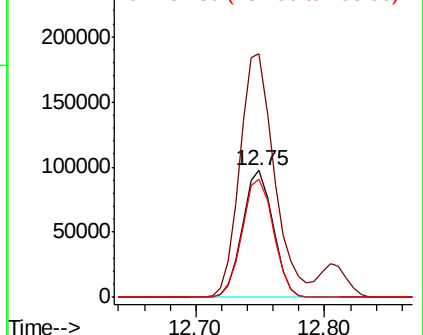
158 95.6 48.3 144.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.660 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010846.D

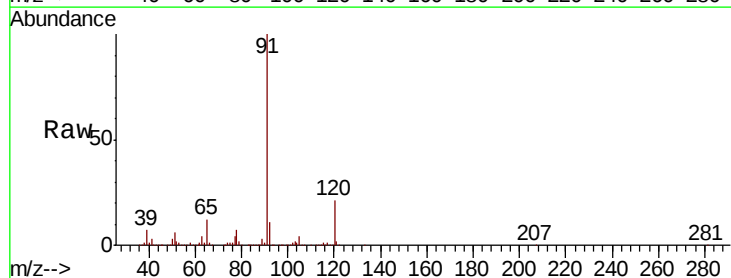
Acq: 19 Jun 2019 11:43

Tgt Ion: 91 Resp: 932451

Ion Ratio Lower Upper

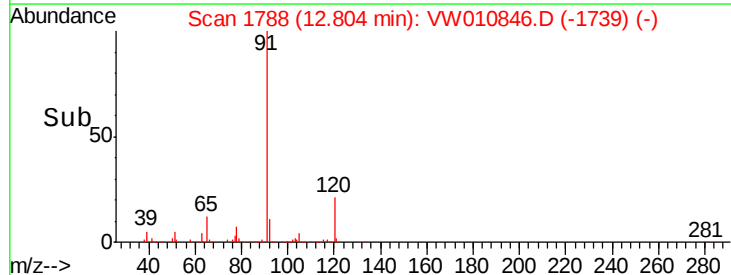
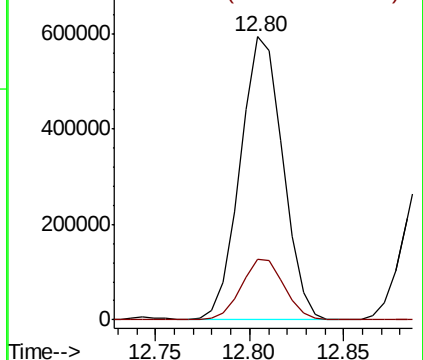
91 100

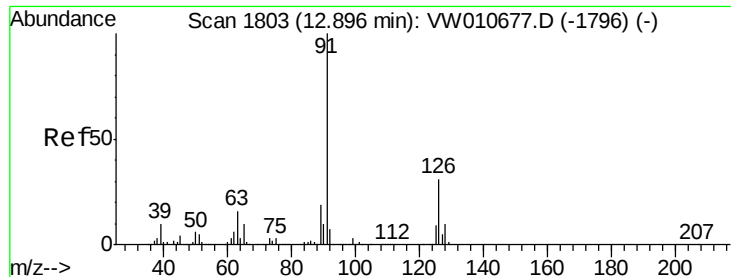
120 21.5 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.883 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

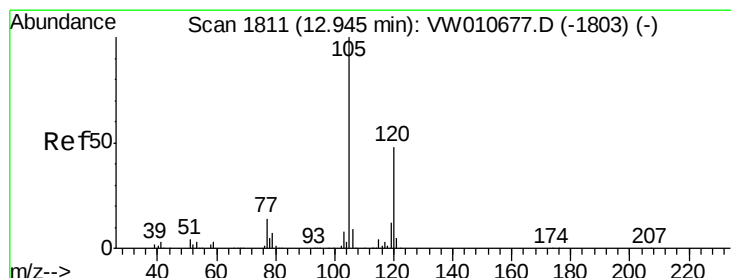
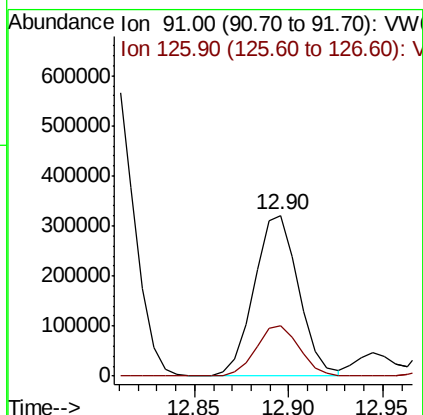
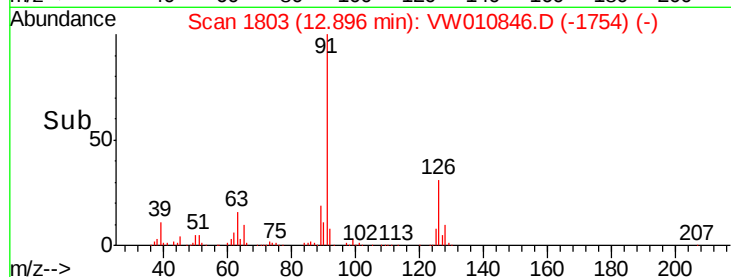
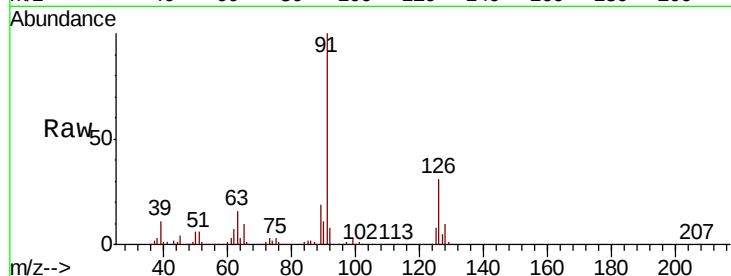
VSTDCCC050

Tot Ion: 91 Resp: 525151

Ion Ratio Lower Upper

91 100

126 30.7 15.7 47.0



#80

1,3,5-Trimethylbenzene

Concen: 53.836 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010846.D

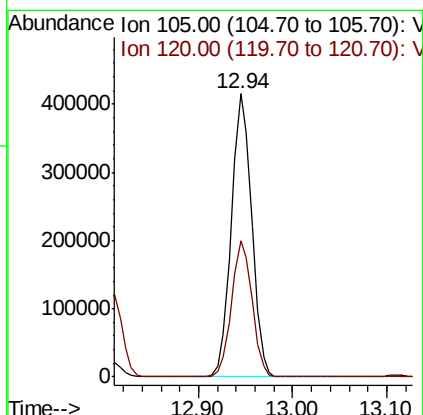
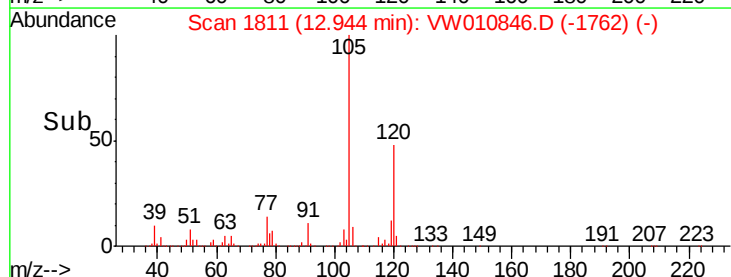
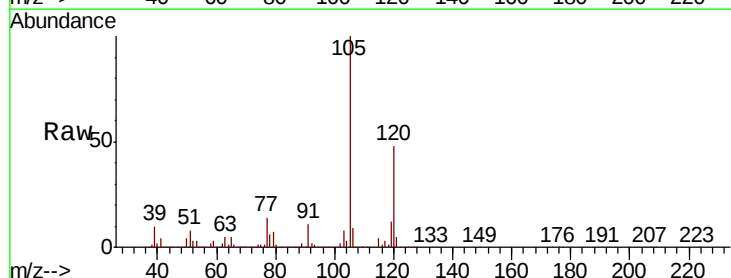
Acq: 19 Jun 2019 11:43

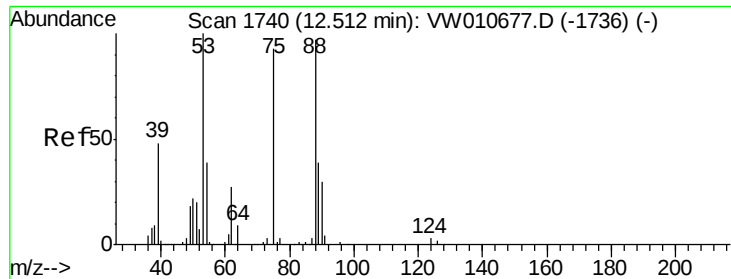
Tgt Ion:105 Resp: 623417

Ion Ratio Lower Upper

105 100

120 48.4 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 50.835 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

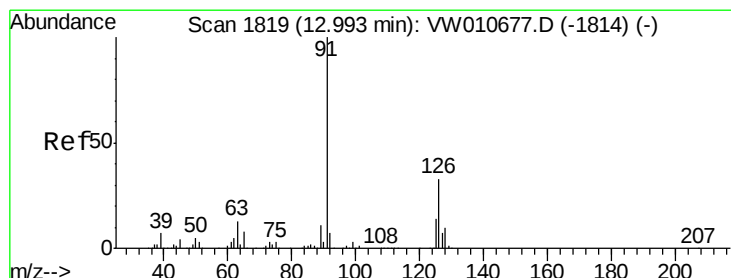
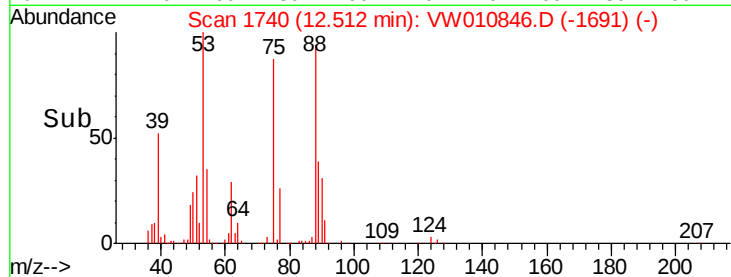
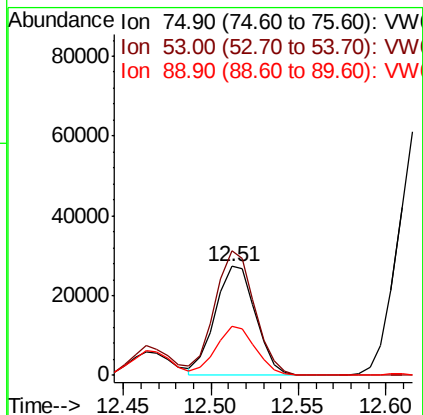
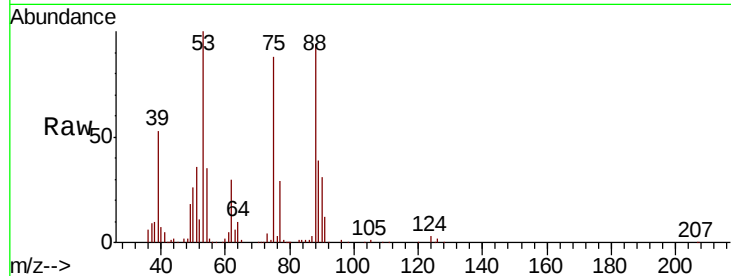
Tot Ion: 75 Resp: 43729

Ion Ratio Lower Upper

75 100

53 112.9 90.1 135.1

89 44.4 34.6 52.0



#82

4-Chlorotoluene

Concen: 53.650 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW010846.D

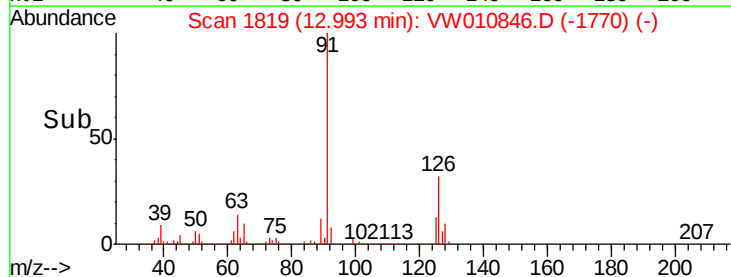
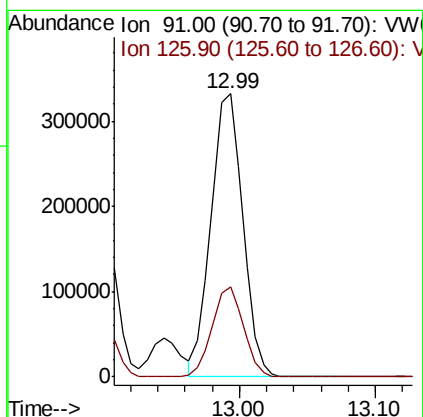
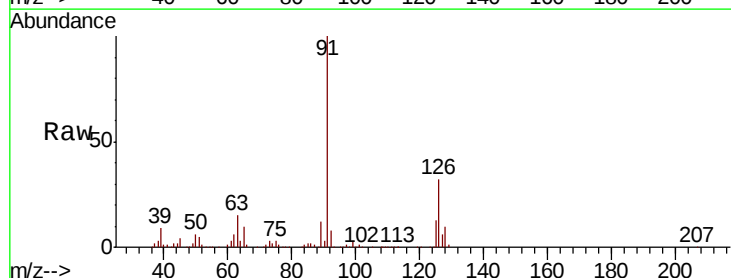
Acq: 19 Jun 2019 11:43

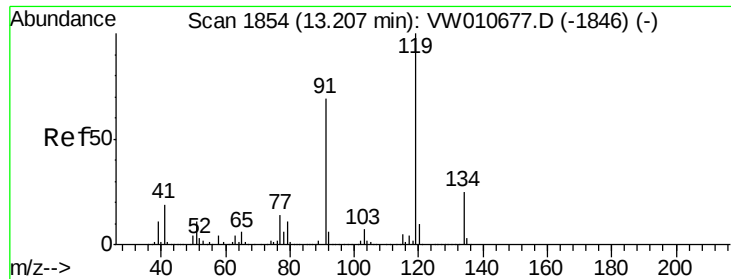
Tgt Ion: 91 Resp: 539592

Ion Ratio Lower Upper

91 100

126 31.5 15.9 47.7

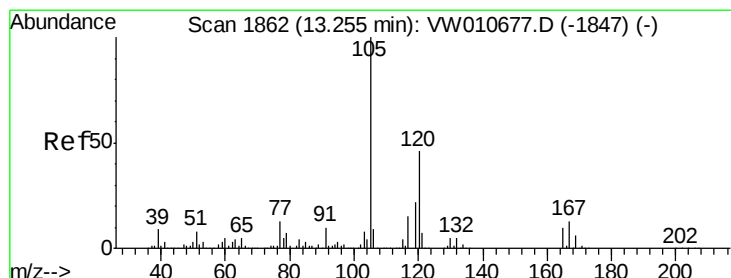
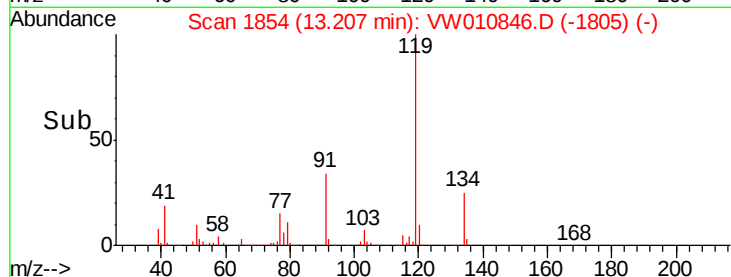
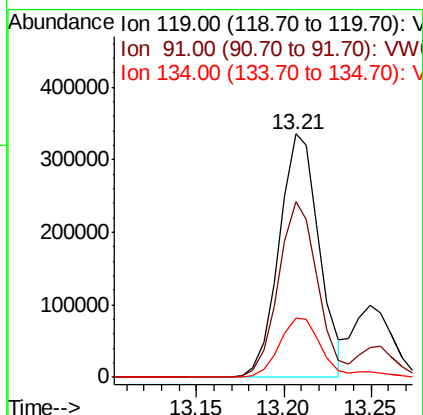
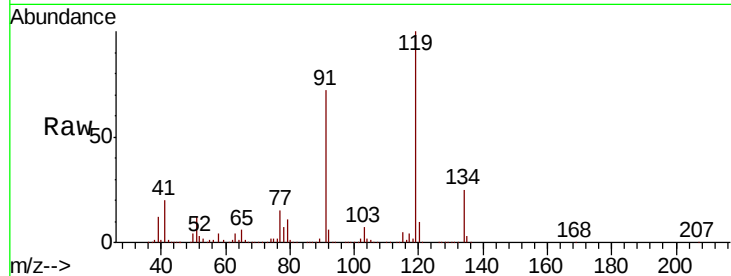




#83
tert-Butylbenzene
Concen: 54.416 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010846.D
Acq: 19 Jun 2019 11:43

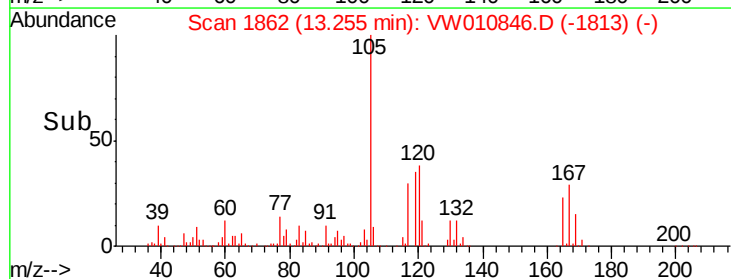
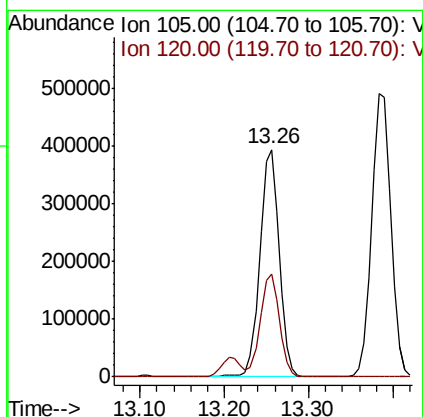
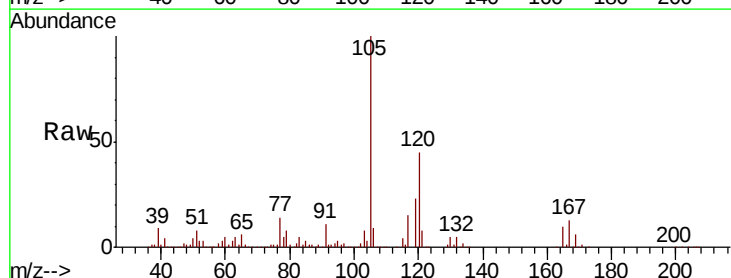
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

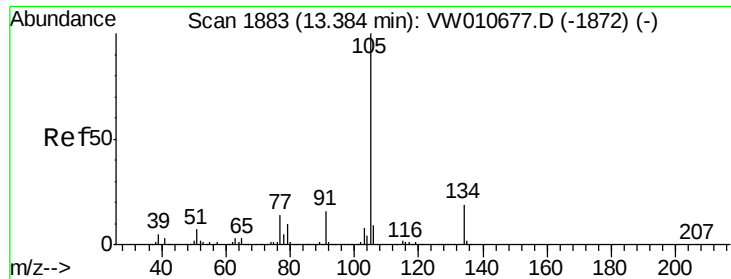
Tot Ion:119 Resp: 534789
Ion Ratio Lower Upper
119 100
91 71.3 35.1 105.3
134 27.1 13.6 40.7



#84
1,2,4-Trimethylbenzene
Concen: 53.212 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010846.D
Acq: 19 Jun 2019 11:43

Tgt Ion:105 Resp: 620068
Ion Ratio Lower Upper
105 100
120 44.8 22.5 67.5





#85

sec-Butylbenzene

Concen: 54.561 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

Instrument :

MSVOA_W

ClientSampled :

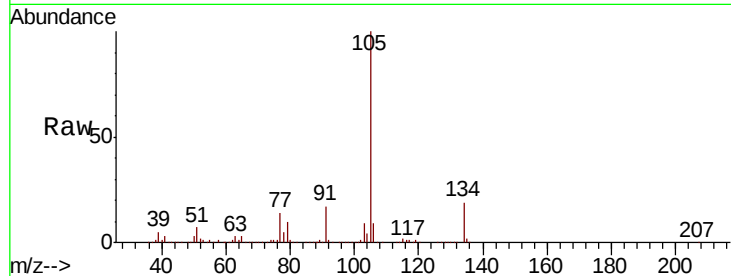
VSTDCCC050

Tot Ion:105 Resp: 780704

Ion Ratio Lower Upper

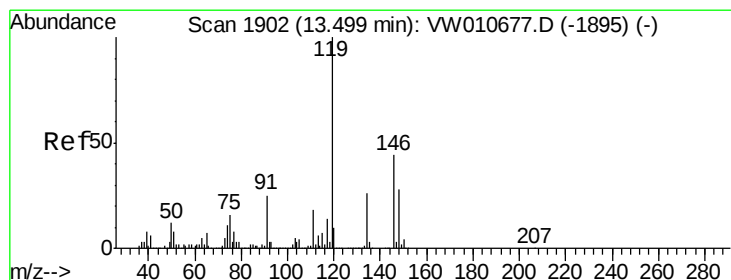
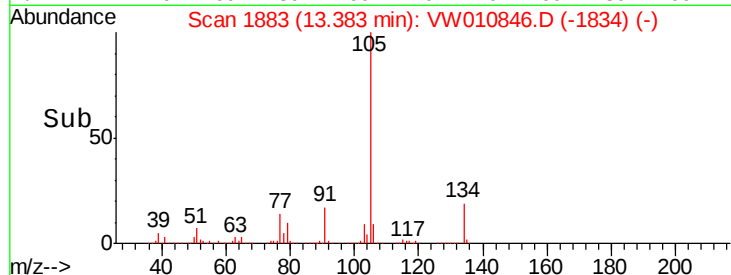
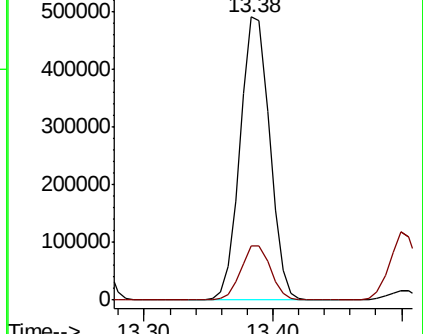
105 100

134 19.3 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.817 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

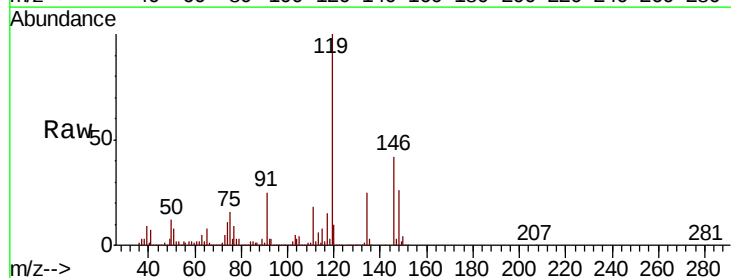
Tgt Ion:119 Resp: 688634

Ion Ratio Lower Upper

119 100

134 25.6 13.0 39.0

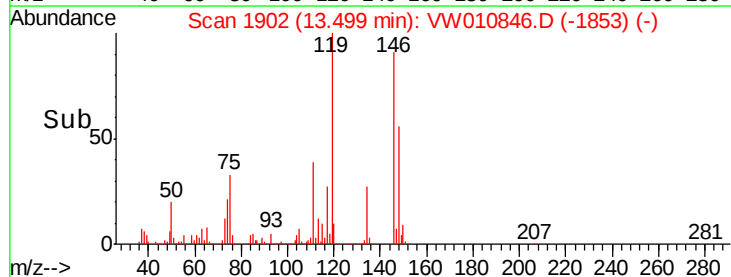
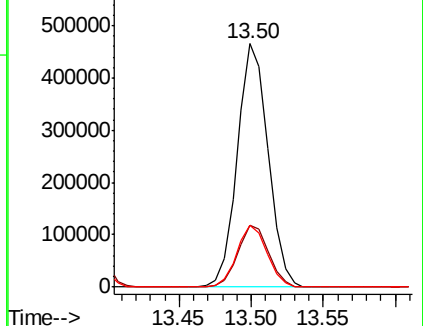
91 25.1 12.2 36.4

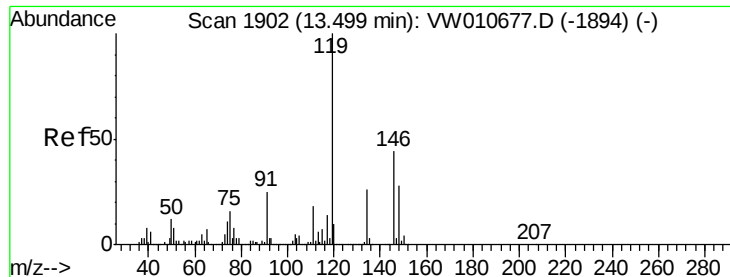


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 52.591 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

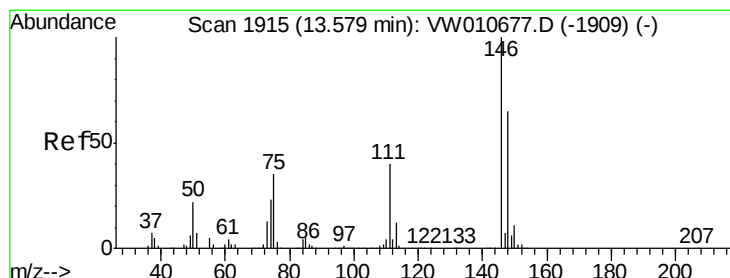
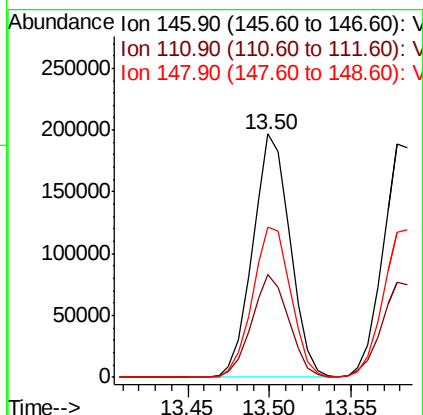
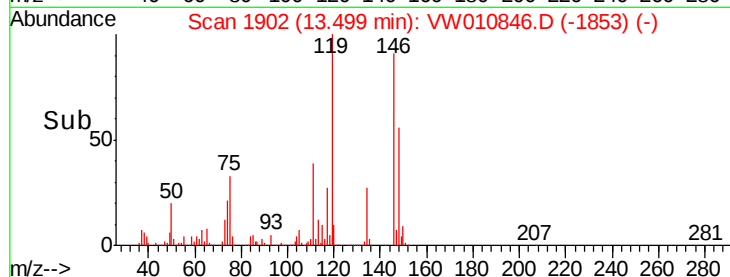
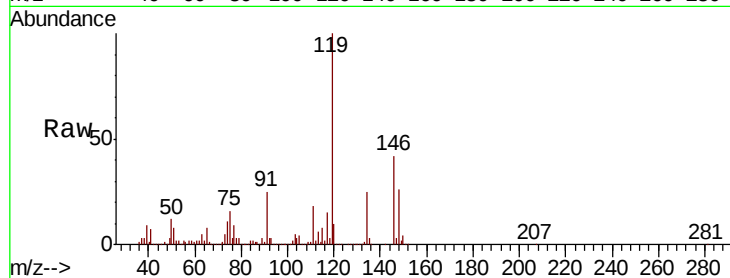
Tot Ion:146 Resp: 313204

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.4	61.3
148	63.6	31.5	94.5

146 100

111 42.0 20.4 61.3

148 63.6 31.5 94.5



#88

1,4-Dichlorobenzene

Concen: 52.128 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

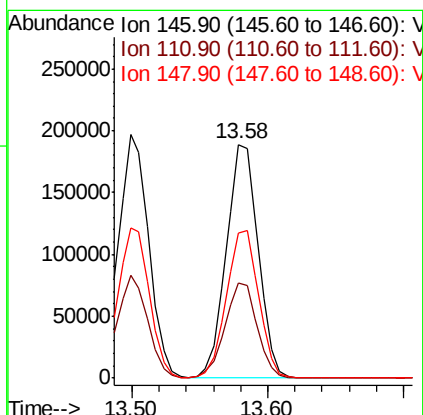
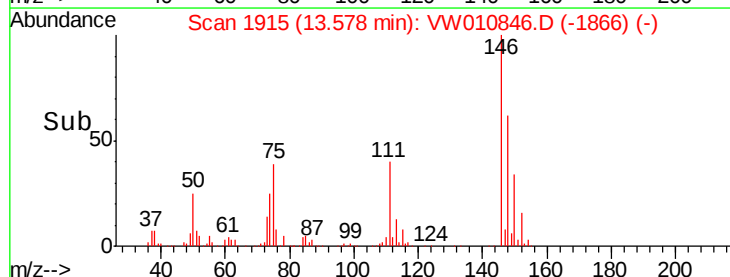
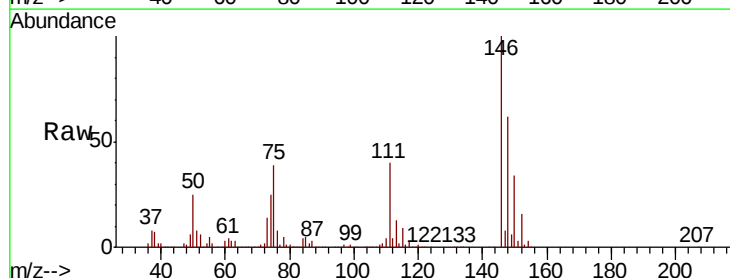
Tgt Ion:146 Resp: 307769

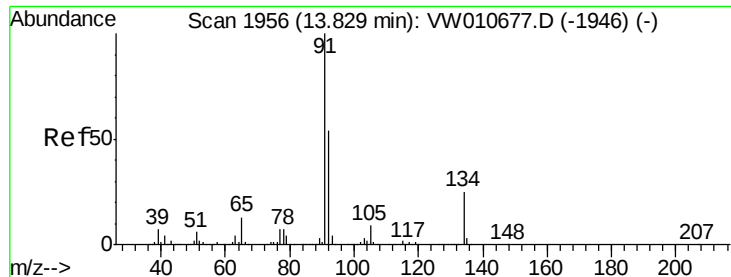
Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	60.9
148	63.8	32.4	97.2

146 100

111 40.8 20.3 60.9

148 63.8 32.4 97.2





#89

n-Butylbenzene

Concen: 55.190 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

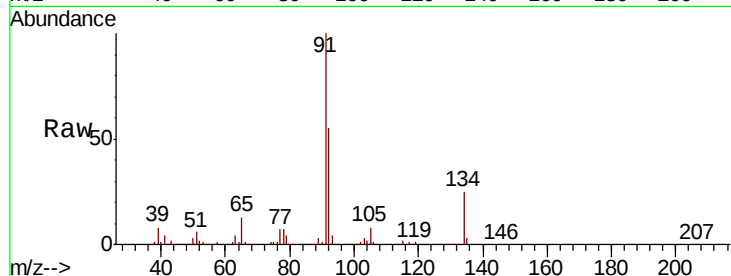
Tot Ion: 91 Resp: 704601

Ion Ratio Lower Upper

91 100

92 54.6 27.3 81.8

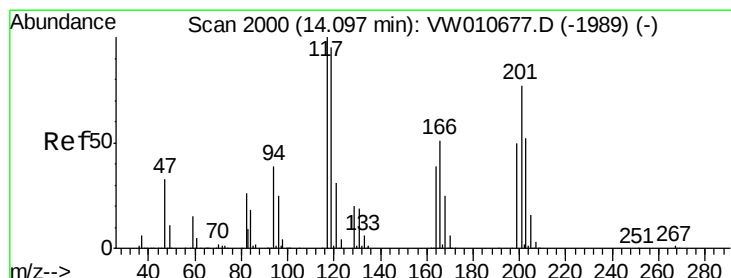
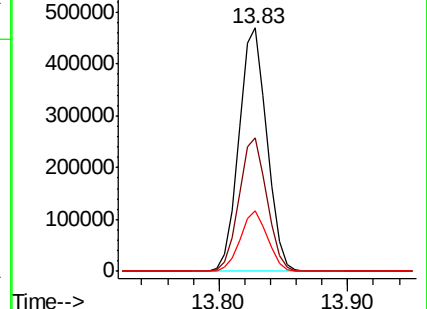
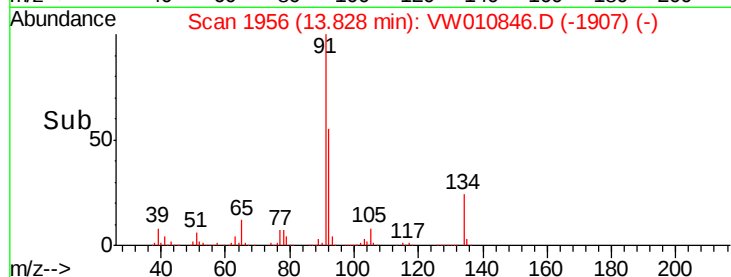
134 24.2 12.3 36.9



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: 57.071 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010846.D

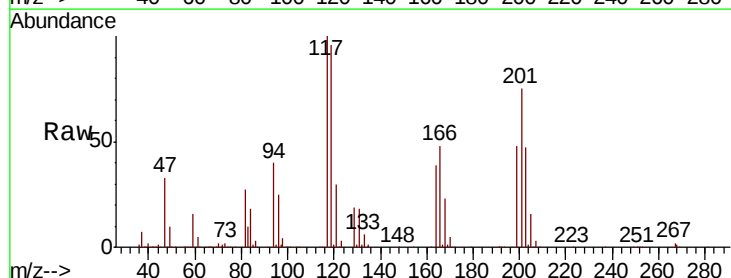
Acq: 19 Jun 2019 11:43

Tgt Ion: 117 Resp: 130779

Ion Ratio Lower Upper

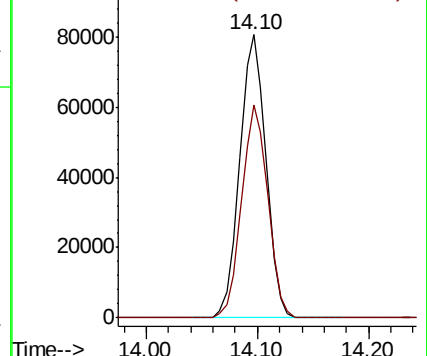
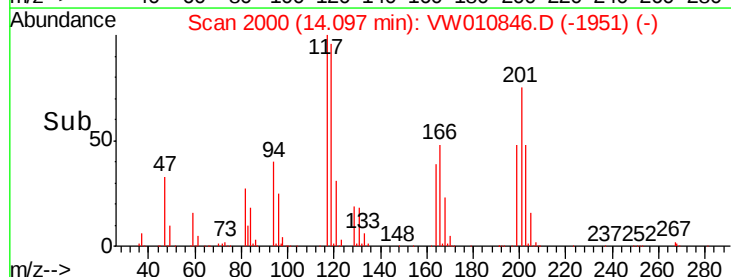
117 100

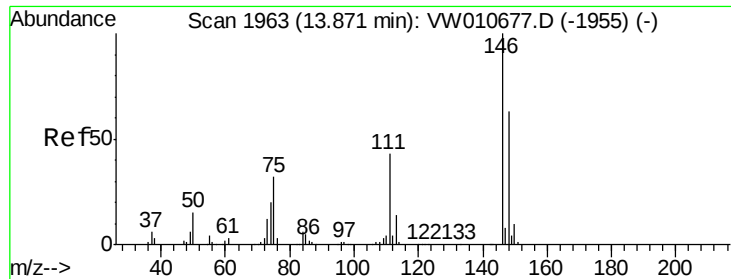
201 75.2 38.8 116.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

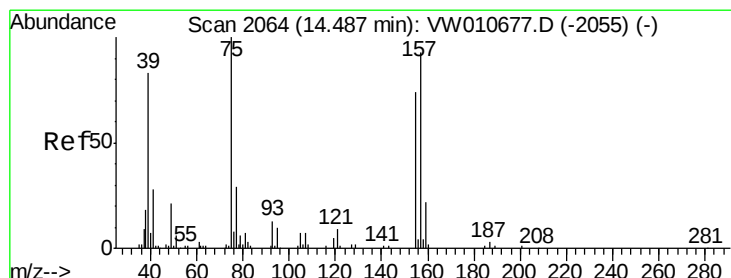
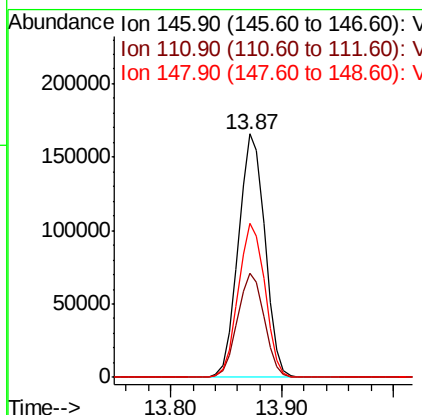
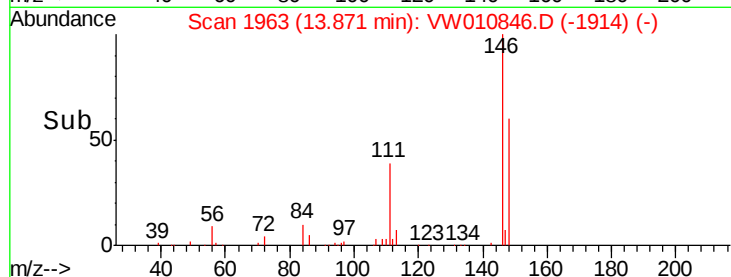
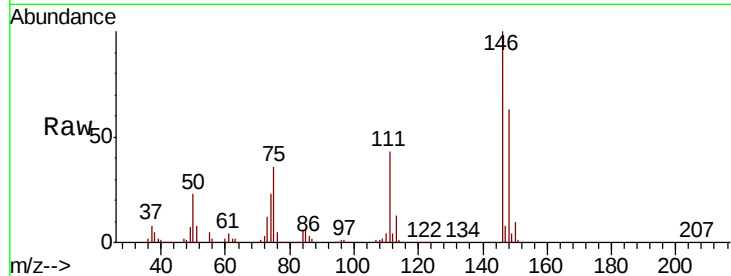




#91
 1,2-Dichlorobenzene
 Concen: 51.027 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010846.D
 Acq: 19 Jun 2019 11:43

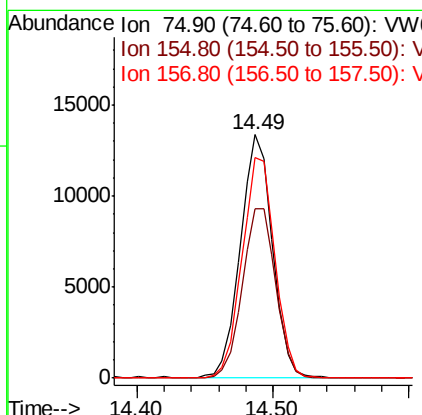
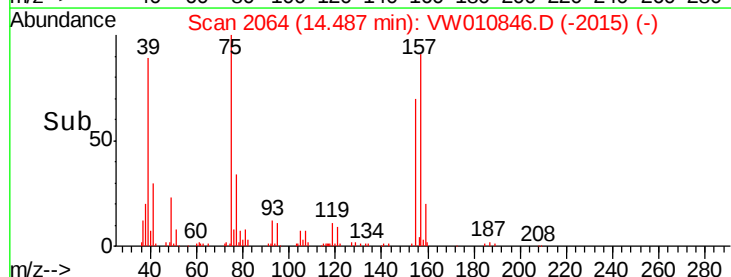
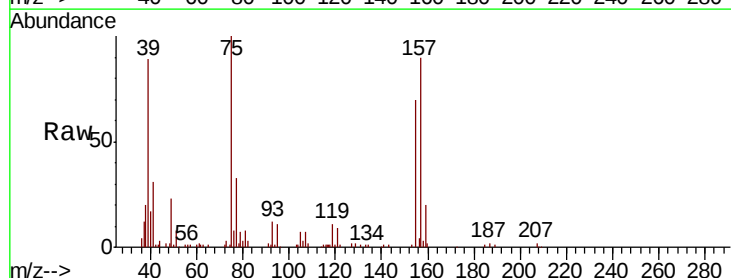
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

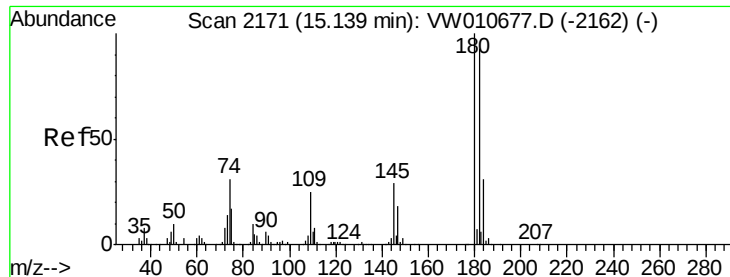
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.5	64.5
148	63.6	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.728 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010846.D
 Acq: 19 Jun 2019 11:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.2	38.8	116.4
157	92.6	48.4	145.0

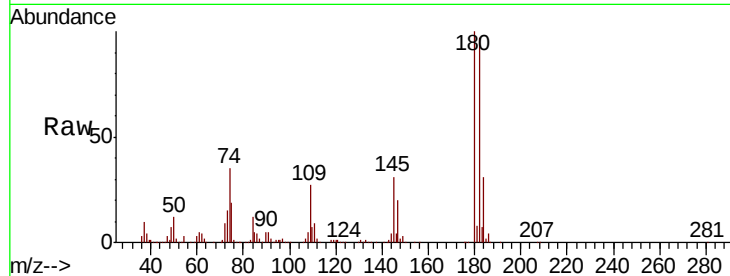




#93
 1,2,4-Trichlorobenzene
 Concen: 51.798 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010846.D
 Acq: 19 Jun 2019 11:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.1	141.4
145	30.6	15.2	45.5

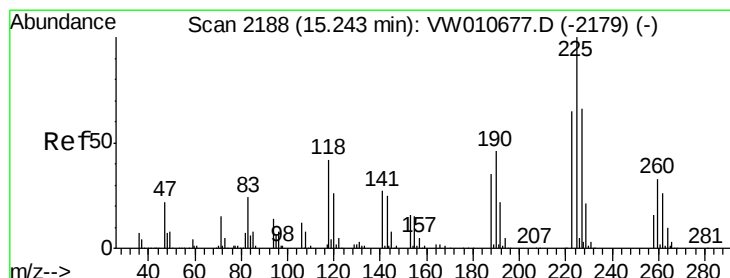
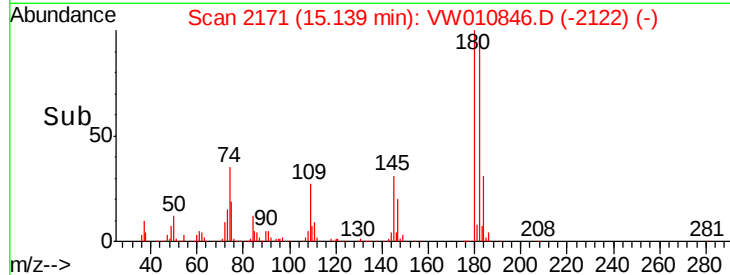
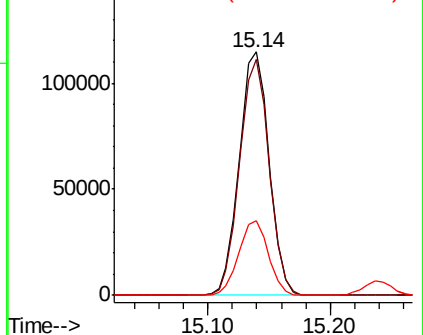


Abundance

Ion 179.80 (179.50 to 180.50): V

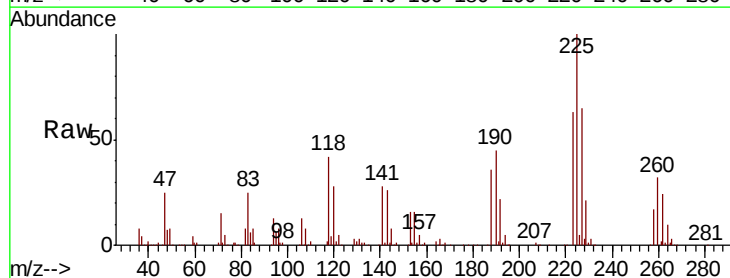
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 53.098 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010846.D
 Acq: 19 Jun 2019 11:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	32.2	96.6
227	64.6	32.0	96.0

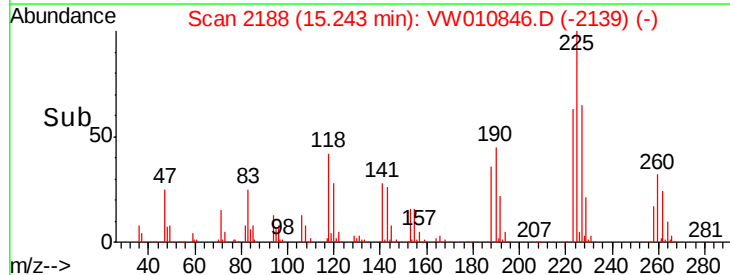
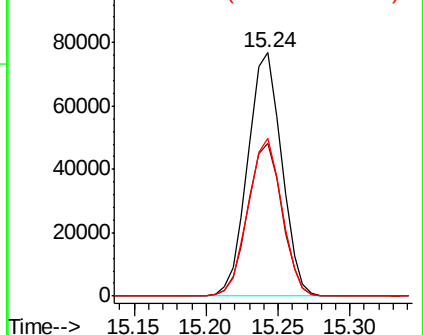


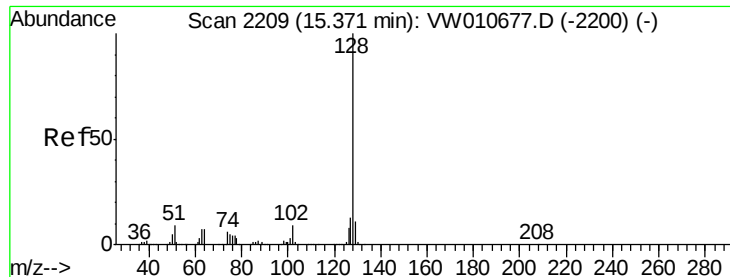
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 48.445 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

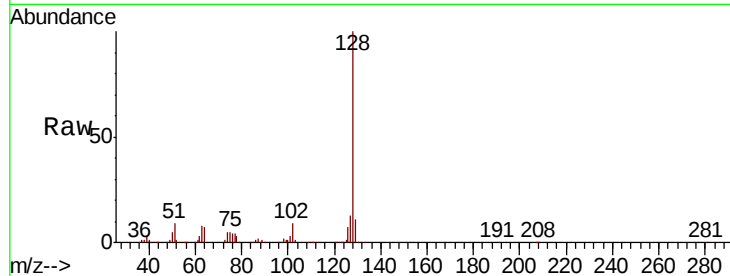
Tot Ion:128 Resp: 330804

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

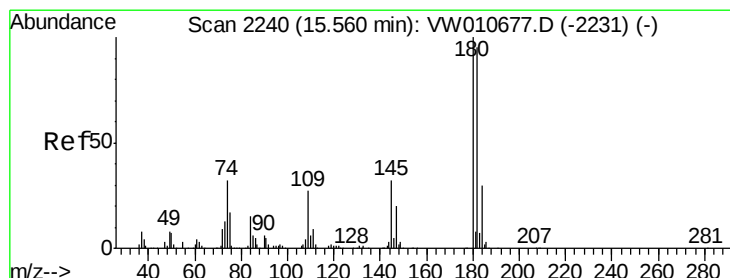
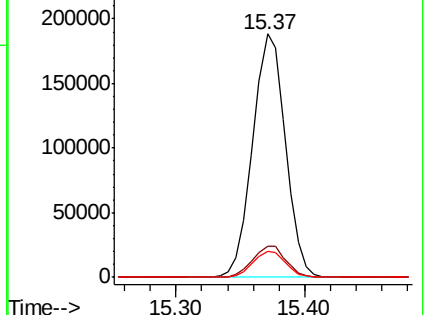
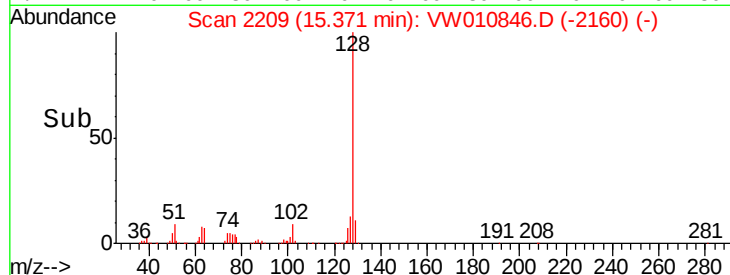
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.192 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010846.D

Acq: 19 Jun 2019 11:43

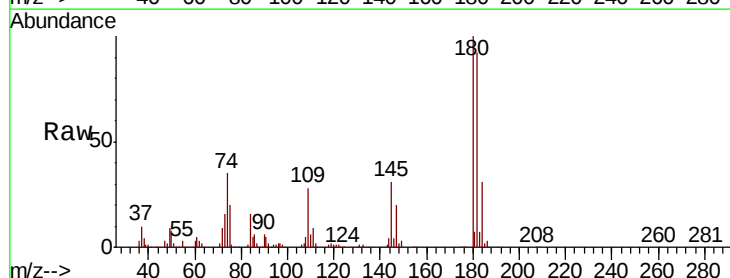
Tgt Ion:180 Resp: 166820

Ion Ratio Lower Upper

180 100

182 93.0 47.0 141.0

145 31.3 16.1 48.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

