

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022619\
 Data File : VW008821.D
 Acq On : 26 Feb 2019 10:38
 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: Feb 27 05:54:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	319951	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	447532	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	428187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	228546	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	152023	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
35) Dibromofluoromethane	7.88	113	148409	55.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.46%	
50) Toluene-d8	10.32	98	608151	58.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.26%	
62) 4-Bromofluorobenzene	12.62	95	225113	55.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	161480	50.391	ug/l	99
3) Chloromethane	2.21	50	195574	50.137	ug/l	98
4) Vinyl Chloride	2.35	62	200291	48.495	ug/l	99
5) Bromomethane	2.76	94	150074	48.922	ug/l	94
6) Chloroethane	2.92	64	138771	47.317	ug/l	98
7) Trichlorofluoromethane	3.26	101	271511	51.979	ug/l	98
8) Diethyl Ether	3.68	74	73025	44.158	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	164082	51.727	ug/l	99
10) Methyl Iodide	4.27	142	199014	50.173	ug/l	100
11) Tert butyl alcohol	5.18	59	50298	188.272	ug/l #	70
12) 1,1-Dichloroethene	4.04	96	142559	50.889	ug/l	94
13) Acrolein	3.90	56	67283	239.658	ug/l	99
14) Allyl chloride	4.67	41	243140	50.288	ug/l	99
15) Acrylonitrile	5.37	53	157904	222.487	ug/l	99
16) Acetone	4.13	43	185924	267.296	ug/l	99
17) Carbon Disulfide	4.38	76	476046	51.217	ug/l	98
18) Methyl Acetate	4.67	43	70179	42.537	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	345312	45.541	ug/l	94
20) Methylene Chloride	4.92	84	164748	47.862	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	160763	49.611	ug/l	98
22) Diisopropyl ether	6.31	45	474435	49.190	ug/l	94
23) Vinyl Acetate	6.26	43	1398023	234.603	ug/l	99
24) 1,1-Dichloroethane	6.21	63	283301	50.689	ug/l	100
25) 2-Butanone	7.17	43	231278	237.828	ug/l	96
26) 2,2-Dichloropropane	7.16	77	266138	52.450	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	171396	49.446	ug/l	99
28) Bromochloromethane	7.51	49	109466	46.804	ug/l	96
29) Tetrahydrofuran	7.53	42	128597	207.509	ug/l	99
30) Chloroform	7.67	83	288342	50.290	ug/l	99
31) Cyclohexane	7.95	56	278378	49.207	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	270932	51.961	ug/l	99
36) 1,1-Dichloropropene	8.08	75	232846	53.449	ug/l	97
37) Ethyl Acetate	7.26	43	89357	44.109	ug/l	98
38) Carbon Tetrachloride	8.06	117	249180	54.237	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	295100	54.307	ug/l	97
40) Benzene	8.32	78	628996	52.881	ug/l	99
41) Methacrylonitrile	7.49	41	52662	44.224	ug/l	95
42) 1,2-Dichloroethane	8.40	62	186393	49.469	ug/l	100
43) Isopropyl Acetate	8.42	43	179728	44.452	ug/l	99
44) Trichloroethene	9.09	130	178079	53.146	ug/l	95
45) 1,2-Dichloropropane	9.37	63	151101	51.407	ug/l	98
46) Dibromomethane	9.46	93	79606	48.690	ug/l	98
47) Bromodichloromethane	9.64	83	208528	52.422	ug/l	100
48) Methyl methacrylate	9.43	41	91050	47.019	ug/l	97
49) 1,4-Dioxane	9.46	88	24065	919.140	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	459843	224.016	ug/l	100
52) Toluene	10.38	92	435606	53.962	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	206722	50.986	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	243802	52.723	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	107808	48.623	ug/l	96
56) Ethyl methacrylate	10.65	69	140706	48.845	ug/l	99
57) 1,3-Dichloropropane	10.93	76	194742	49.745	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	331383	228.727	ug/l	99
59) 2-Hexanone	10.97	43	365897	250.406	ug/l	99
60) Dibromochloromethane	11.13	129	139550	51.601	ug/l	99
61) 1,2-Dibromoethane	11.23	107	107219	48.853	ug/l	98
64) Tetrachloroethene	10.86	164	165708	54.064	ug/l	98
65) Chlorobenzene	11.66	112	481394	53.467	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	157058	51.591	ug/l	98
67) Ethyl Benzene	11.73	91	881081	54.742	ug/l	99
68) m/p-Xylenes	11.84	106	697640	108.483	ug/l	99
69) o-Xylene	12.16	106	326081	54.022	ug/l	98
70) Styrene	12.18	104	515468	53.081	ug/l	99
71) Bromoform	12.35	173	81192	49.616	ug/l #	98
73) Isopropylbenzene	12.46	105	893581	57.033	ug/l	100
74) N-amyl acetate	12.27	43	182728	46.300	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	125360	48.968	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	175670	93.097	ug/l #	100
77) Bromobenzene	12.75	156	200037	54.028	ug/l	99
78) n-propylbenzene	12.80	91	1089425	56.844	ug/l	100
79) 2-Chlorotoluene	12.90	91	601763	55.303	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	757093	55.605	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	40043	51.590	ug/l	96
82) 4-Chlorotoluene	12.99	91	630037	54.945	ug/l	100
83) tert-Butylbenzene	13.21	119	660066	56.067	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	771264	54.721	ug/l	100
85) sec-Butylbenzene	13.38	105	955305	56.432	ug/l	100
86) p-Isopropyltoluene	13.50	119	855219	55.109	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	415439	54.081	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	407641	53.843	ug/l	100
89) n-Butylbenzene	13.83	91	809276	55.664	ug/l	99
90) Hexachloroethane	14.10	117	148326	58.385	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	360296	52.640	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21504	46.435	ug/l	98

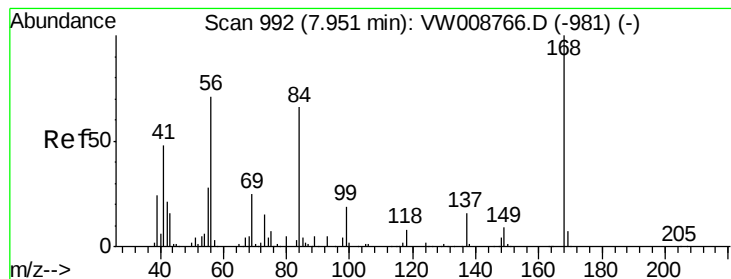
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QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	257298	52.173	ug/l	100
94) Hexachlorobutadiene	15.24	225	166038	57.158	ug/l	100
95) Naphthalene	15.37	128	408318	48.628	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	216901	50.868	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

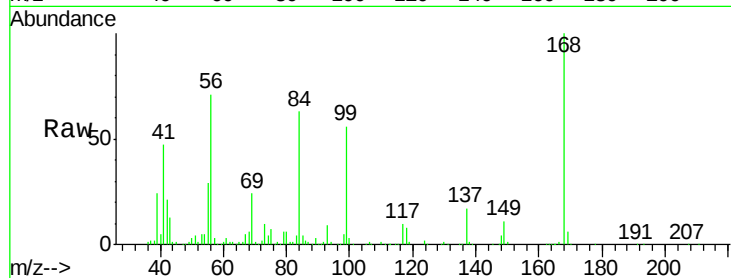
VSTDCCC050

Tot Ion:168 Resp: 319951

Ion Ratio Lower Upper

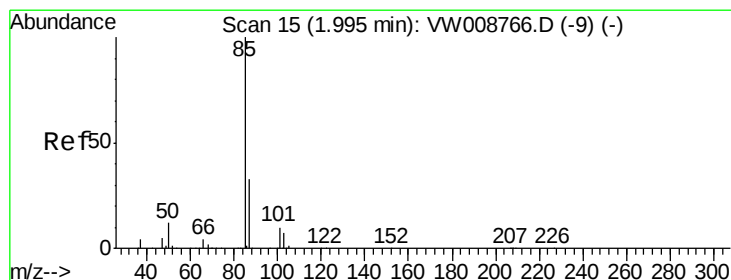
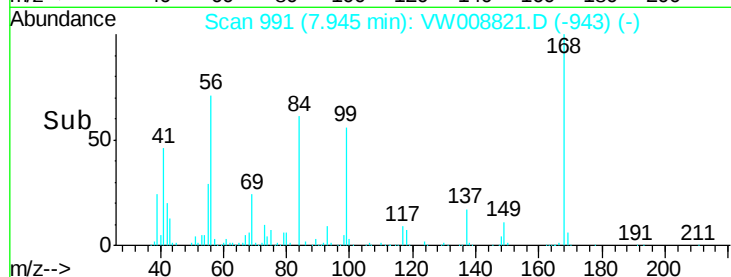
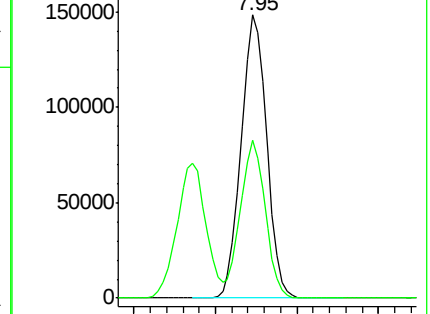
168 100

99 55.8 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 50.391 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW008821.D

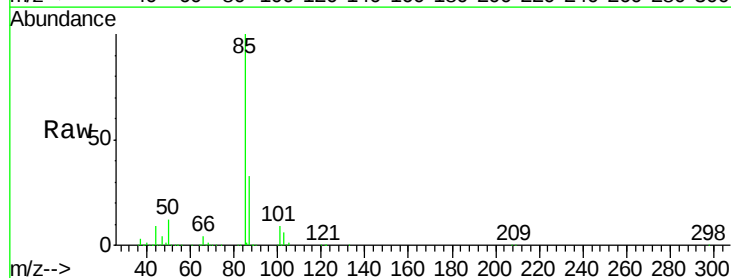
Acq: 26 Feb 2019 10:38

Tgt Ion: 85 Resp: 161480

Ion Ratio Lower Upper

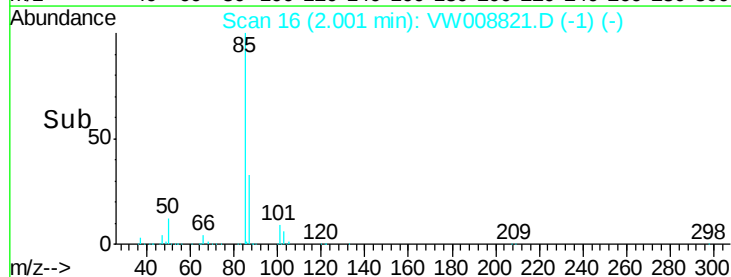
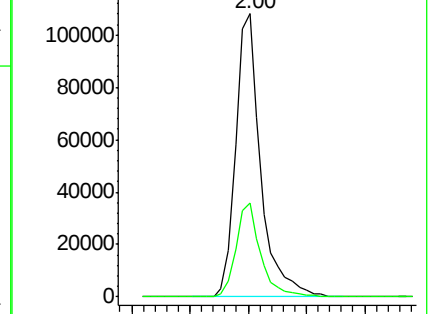
85 100

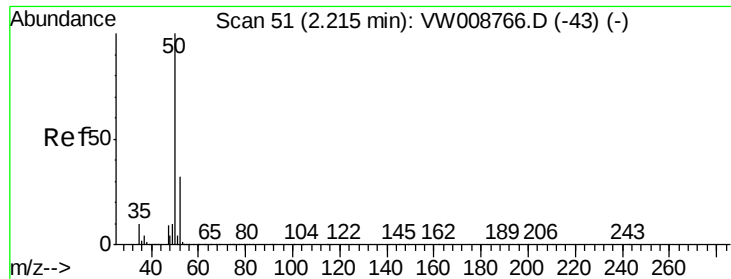
87 33.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 50.137 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

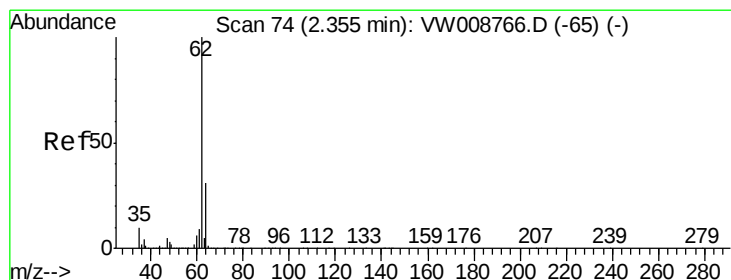
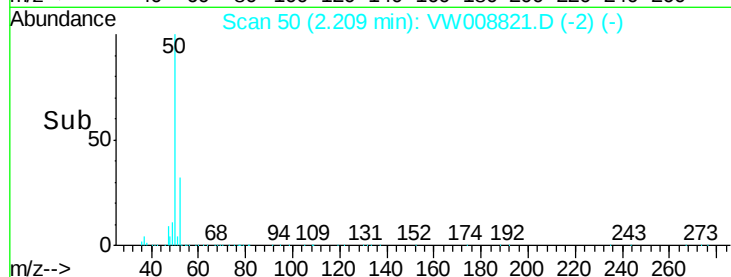
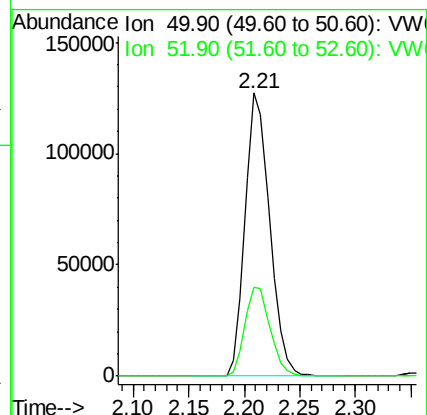
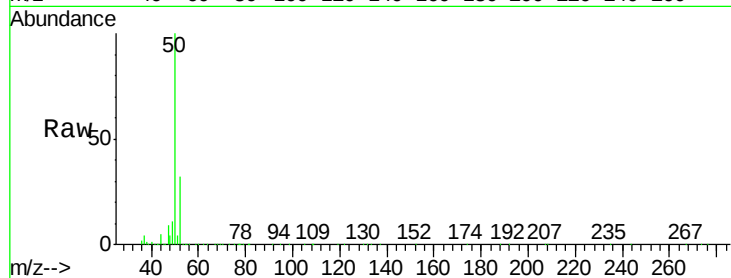
VSTDCCC050

Tot Ion: 50 Resp: 195574

Ion Ratio Lower Upper

50 100

52 31.5 25.9 38.9



#4

Vinyl Chloride

Concen: 48.495 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW008821.D

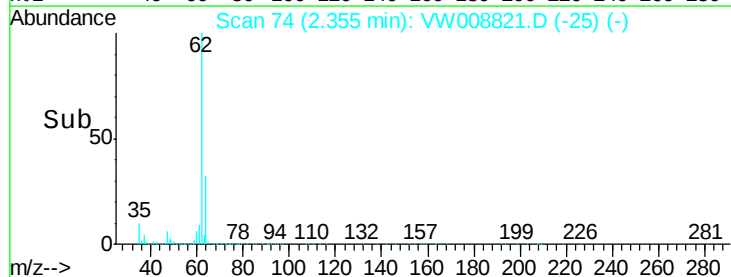
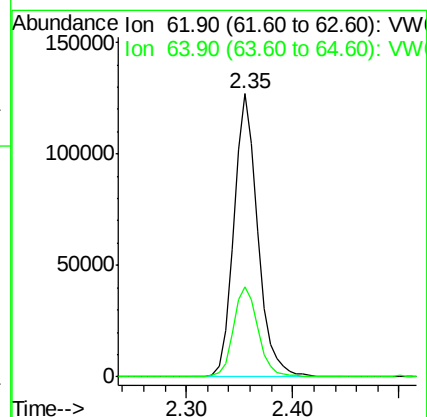
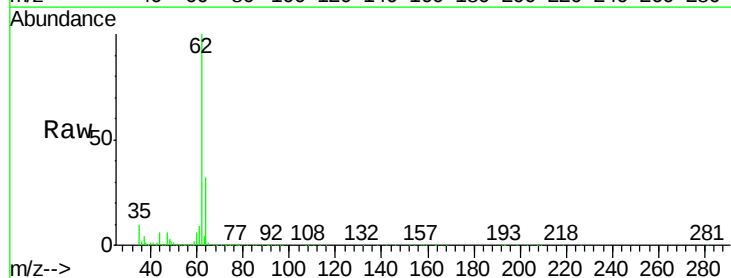
Acq: 26 Feb 2019 10:38

Tgt Ion: 62 Resp: 200291

Ion Ratio Lower Upper

62 100

64 31.8 24.9 37.3





#5

Bromomethane

Concen: 48.922 ug/l

RT: 2.76 min Scan# 141

Delta R.T. 0.01 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

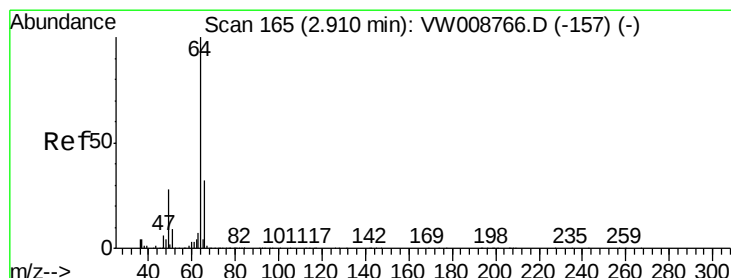
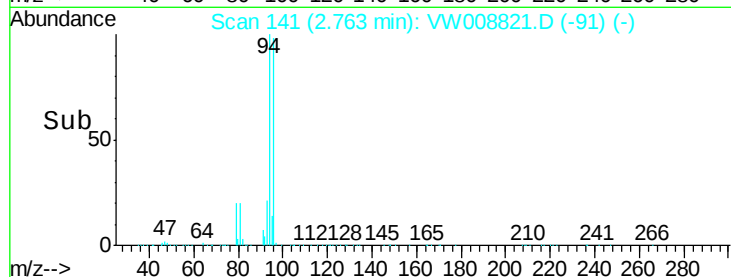
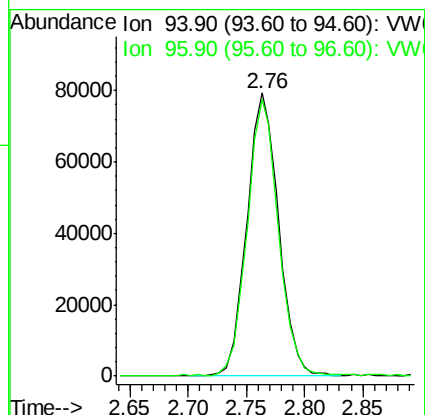
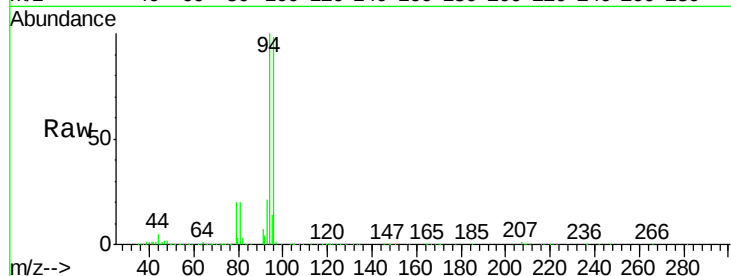
VSTDCCC050

Tot Ion: 94 Resp: 150074

Ion Ratio Lower Upper

94 100

96 97.4 73.4 110.2



#6

Chloroethane

Concen: 47.317 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.01 min

Lab File: VW008821.D

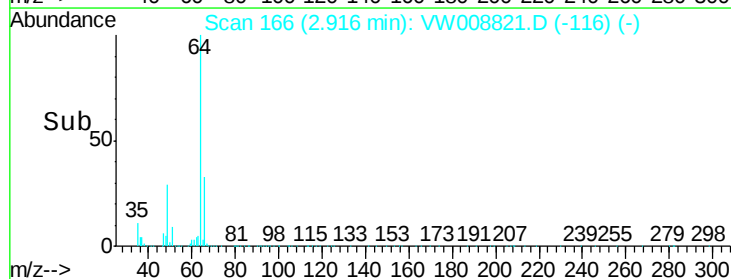
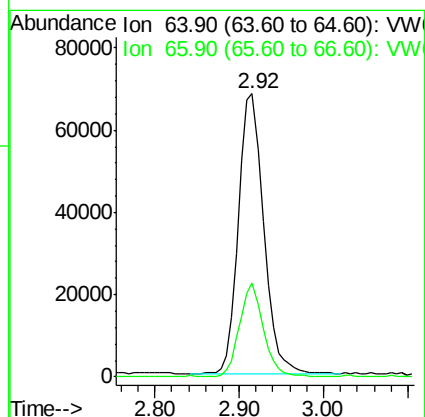
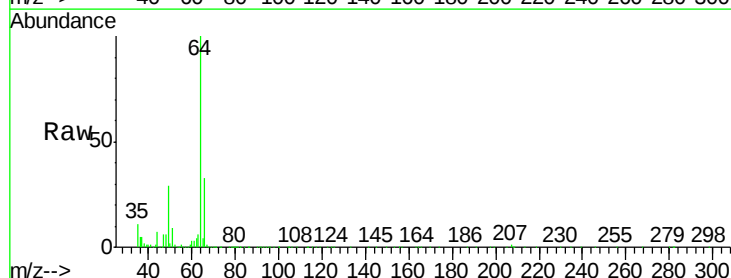
Acq: 26 Feb 2019 10:38

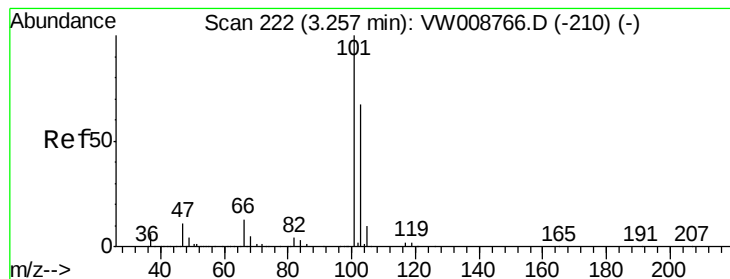
Tgt Ion: 64 Resp: 138771

Ion Ratio Lower Upper

64 100

66 33.1 25.5 38.3



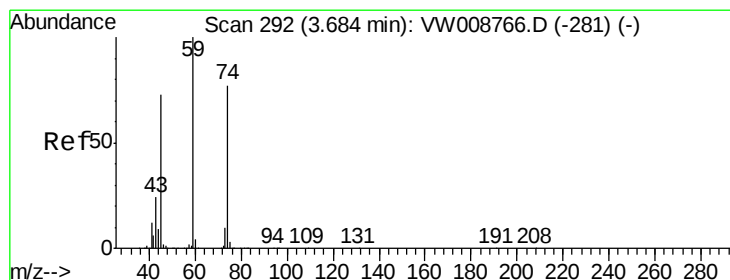
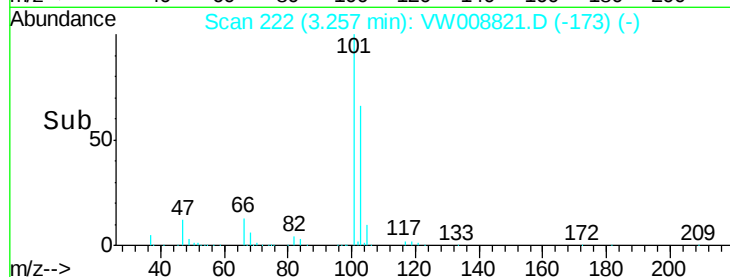
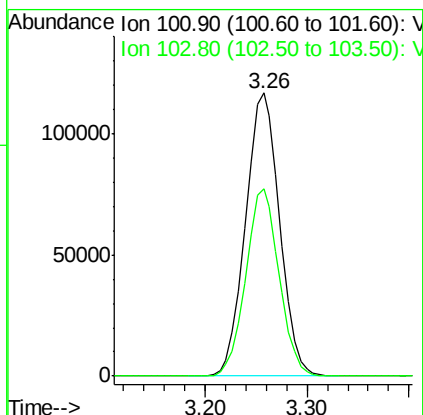
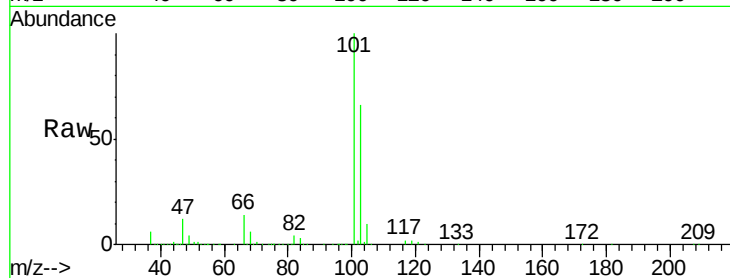


#7

Trichlorofluoromethane
 Concen: 51.979 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW008821.D
 Acq: 26 Feb 2019 10:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

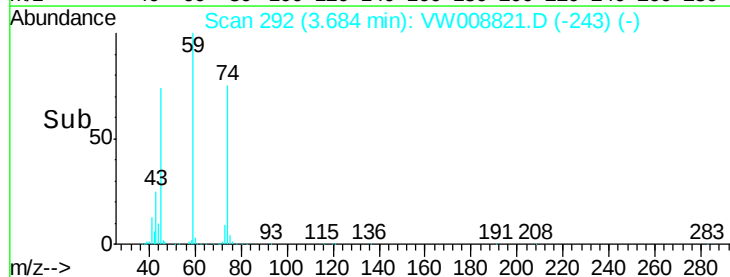
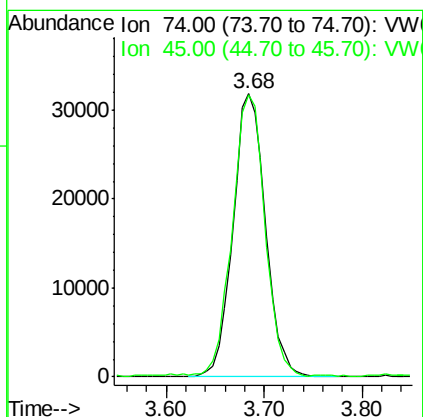
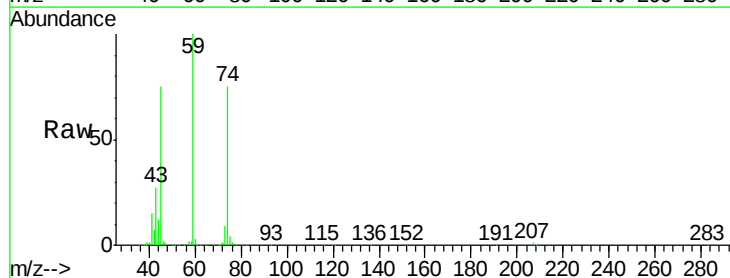
Tot Ion:101 Resp: 271511
 Ion Ratio Lower Upper
 101 100
 103 66.0 53.9 80.9



#8

Diethyl Ether
 Concen: 44.158 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW008821.D
 Acq: 26 Feb 2019 10:38

Tgt Ion: 74 Resp: 73025
 Ion Ratio Lower Upper
 74 100
 45 99.4 50.2 150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.727 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

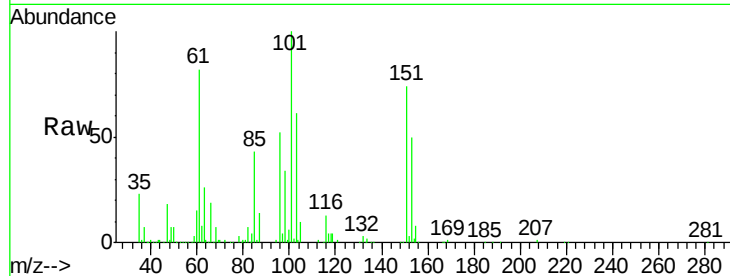
Tot Ion:101 Resp: 164082

Ion Ratio Lower Upper

101 100

85 45.6 36.0 54.0

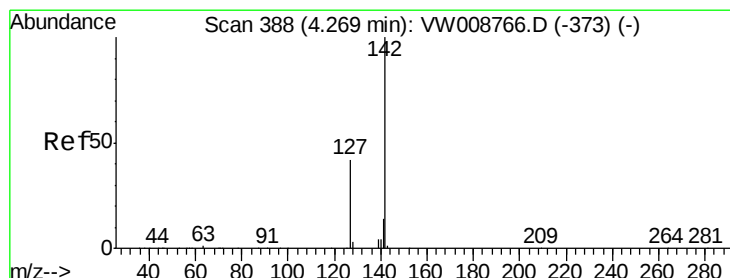
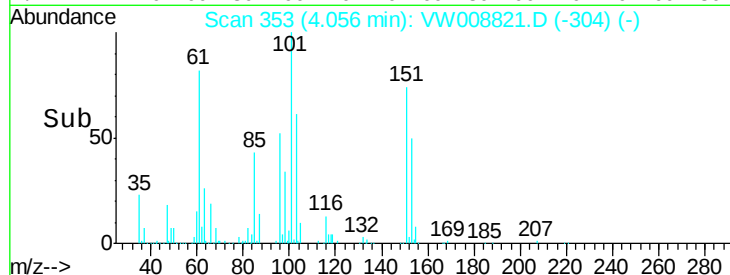
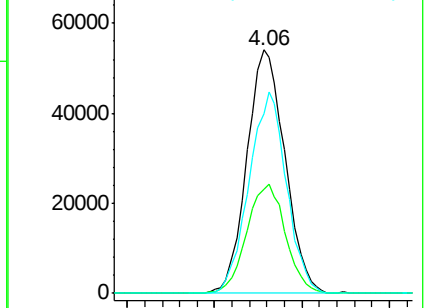
151 81.3 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.173 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

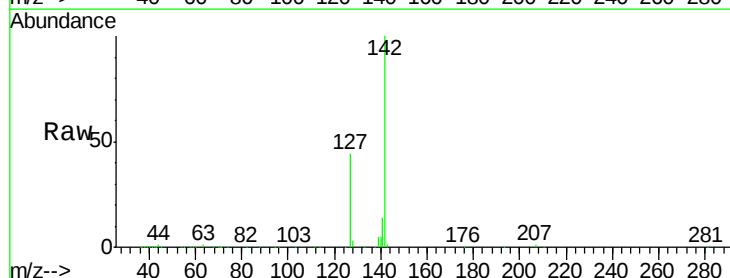
Tgt Ion:142 Resp: 199014

Ion Ratio Lower Upper

142 100

127 43.9 35.3 52.9

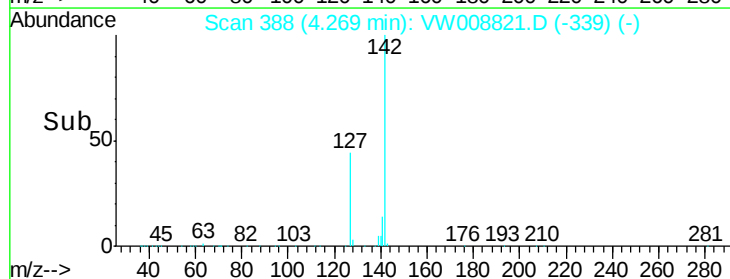
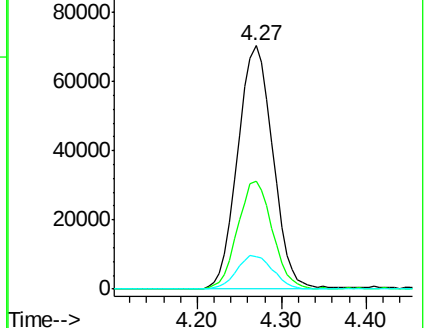
141 14.3 11.7 17.5

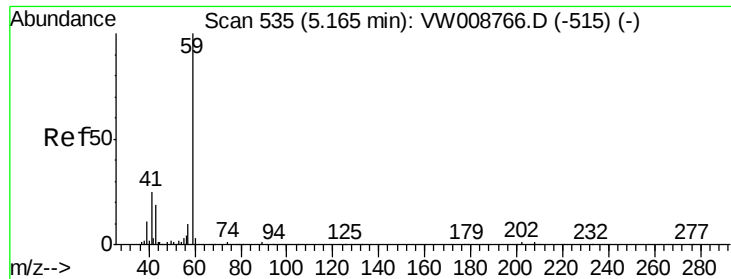


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



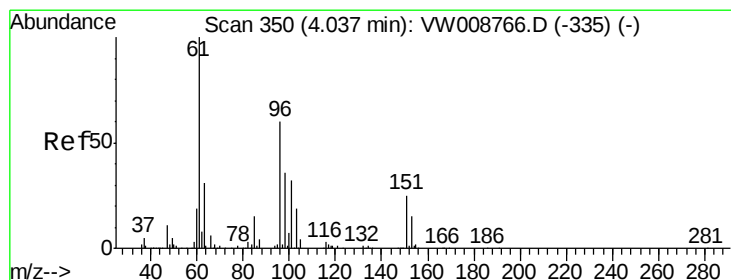
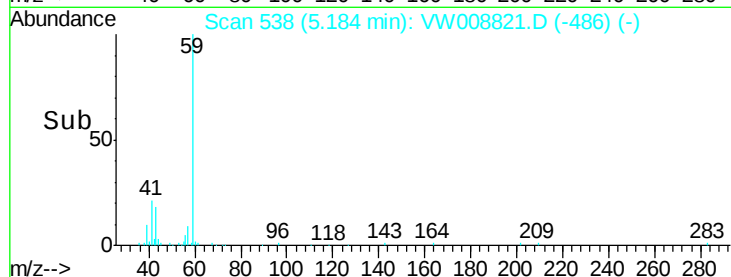
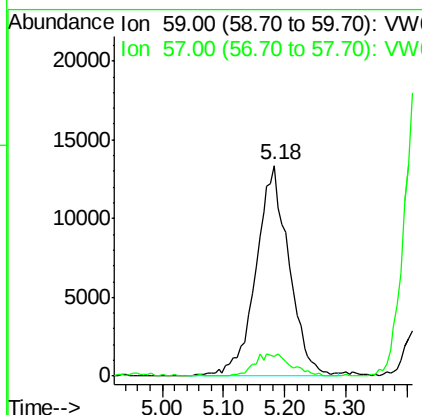
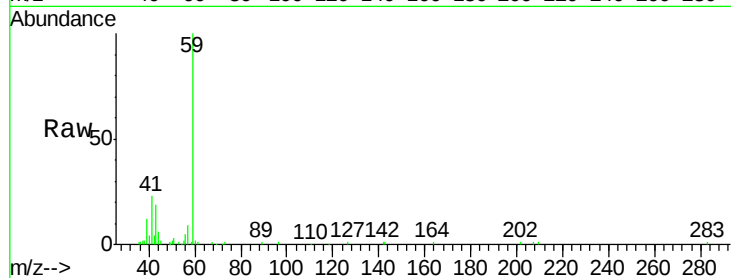


#11

Tert butyl alcohol
Concen: 188.272 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.02 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

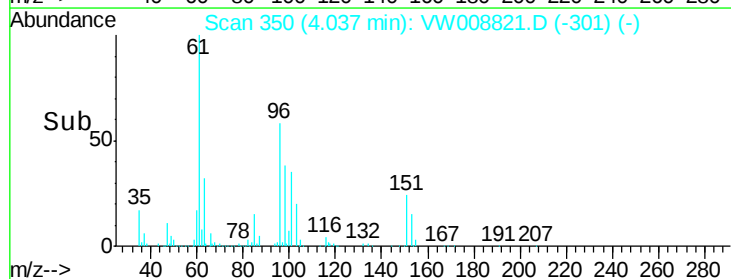
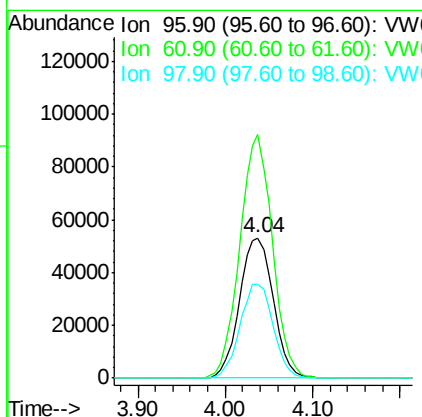
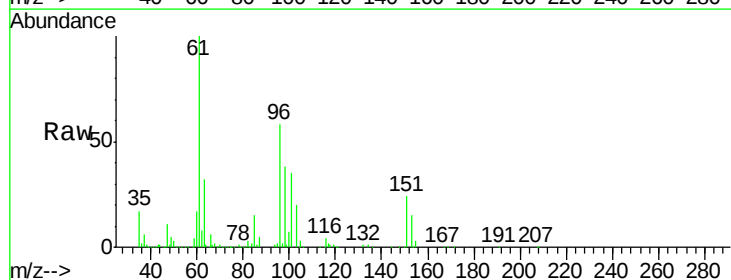
Tot Ion: 59 Resp: 50298
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#

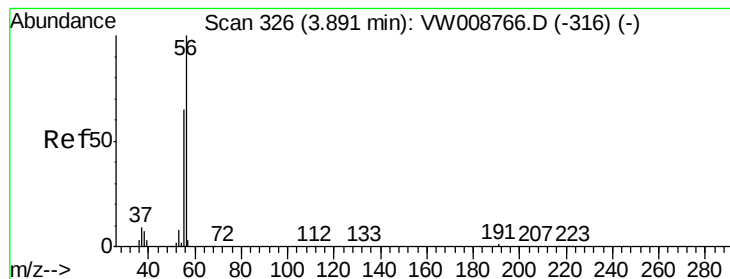


#12

1,1-Dichloroethene
Concen: 50.889 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Tgt Ion: 96 Resp: 142559
Ion Ratio Lower Upper
96 100
61 173.2 132.5 198.7
98 66.5 48.2 72.4





#13

Acrolein

Concen: 239.658 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

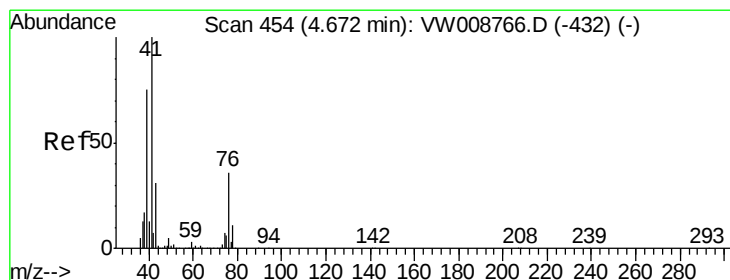
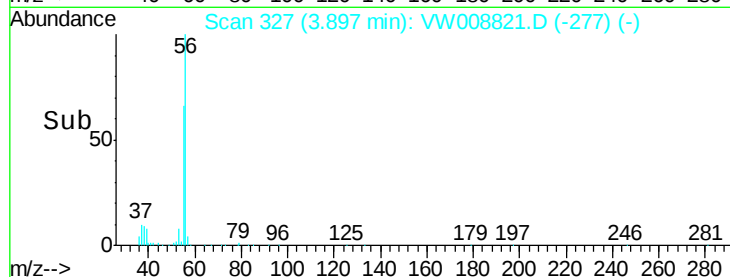
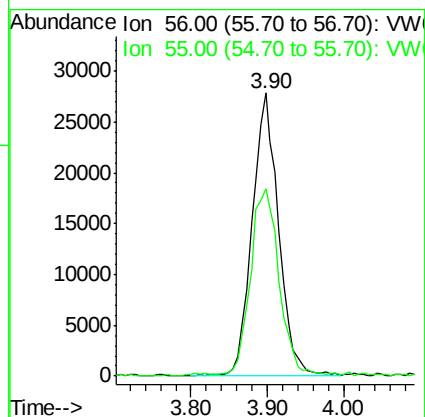
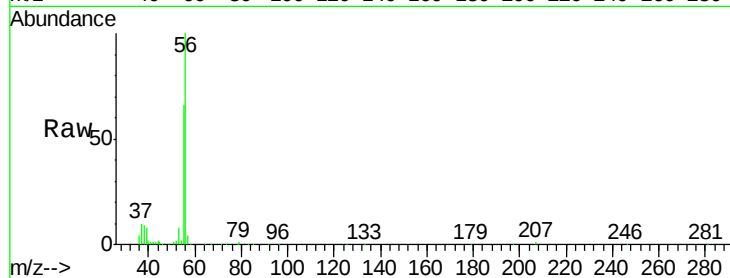
VSTDCCC050

Tot Ion: 56 Resp: 67283

Ion Ratio Lower Upper

56 100

55 70.5 56.9 85.3



#14

Allyl chloride

Concen: 50.288 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

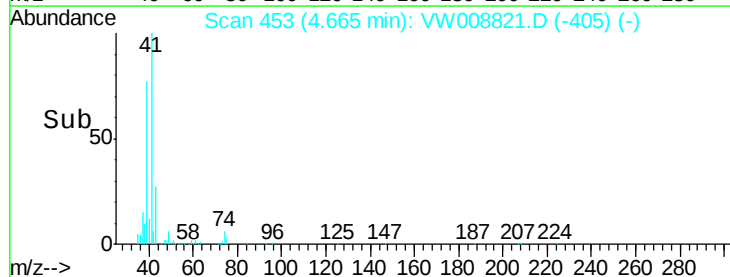
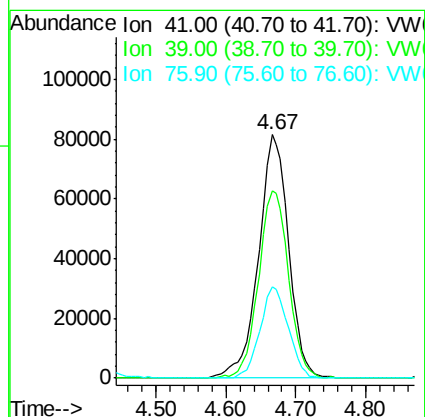
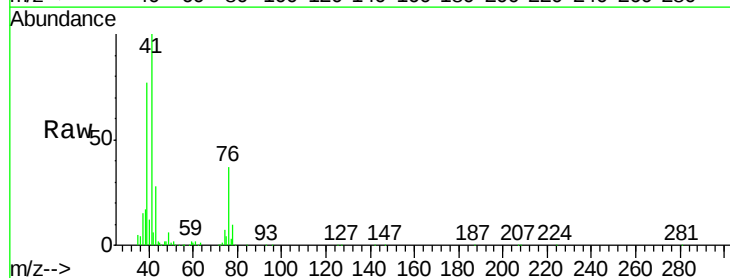
Tgt Ion: 41 Resp: 243140

Ion Ratio Lower Upper

41 100

39 76.5 60.6 91.0

76 35.2 28.6 42.8

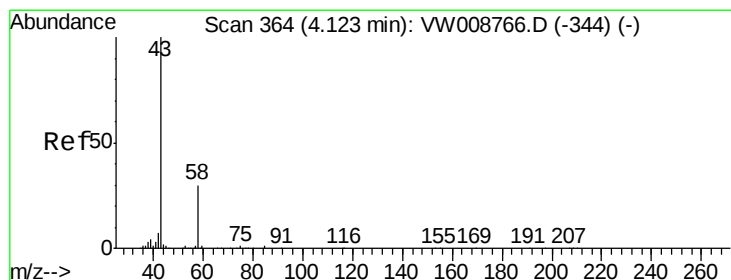
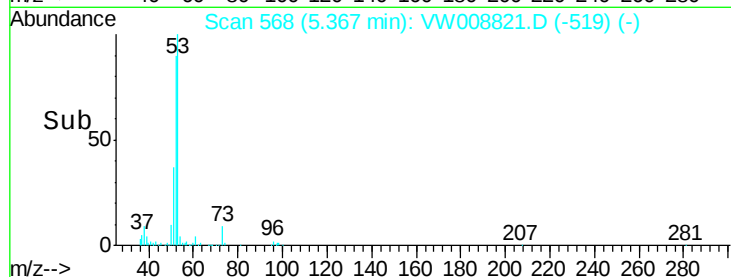
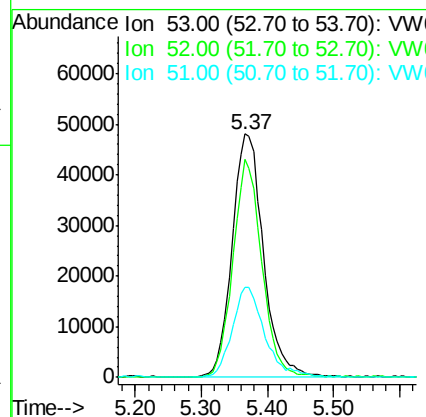
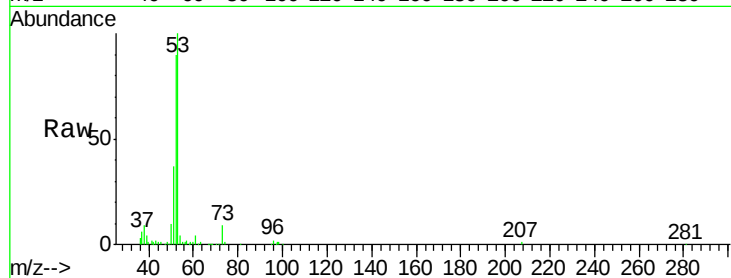




#15
 Acrylonitrile
 Concen: 222.487 ug/l
 RT: 5.37 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VW008821.D
 Acq: 26 Feb 2019 10:38

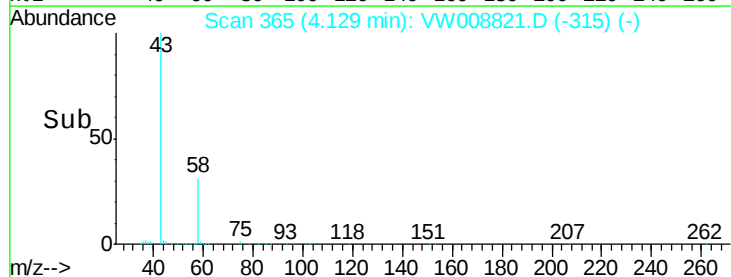
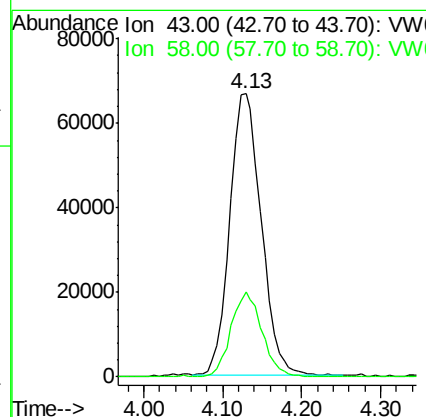
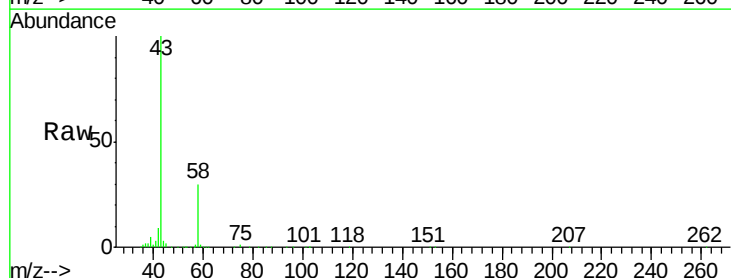
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

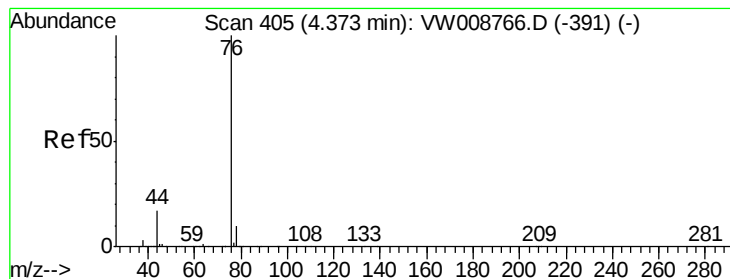
Tot Ion: 53 Resp: 157904
 Ion Ratio Lower Upper
 53 100
 52 82.7 67.2 100.8
 51 38.4 31.1 46.7



#16
 Acetone
 Concen: 267.296 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VW008821.D
 Acq: 26 Feb 2019 10:38

Tgt Ion: 43 Resp: 185924
 Ion Ratio Lower Upper
 43 100
 58 30.1 23.8 35.6





#17

Carbon Disulfide

Concen: 51.217 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

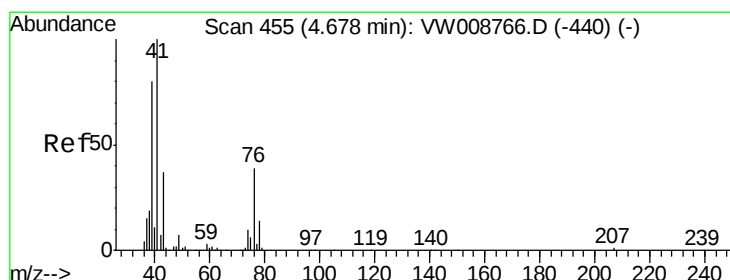
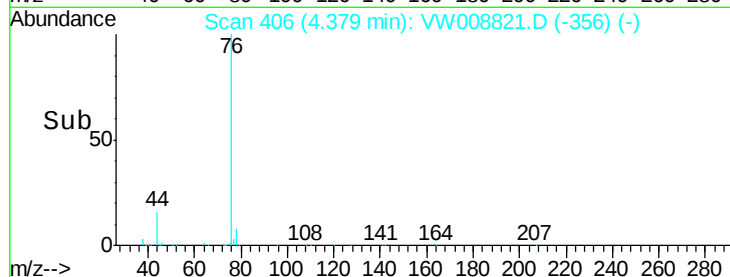
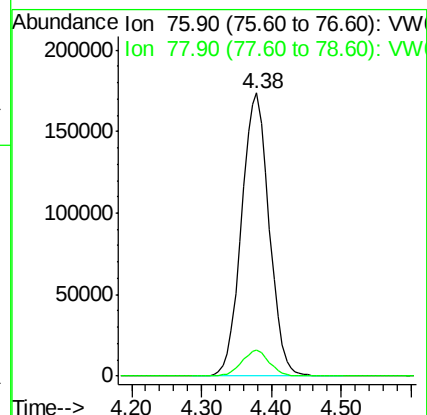
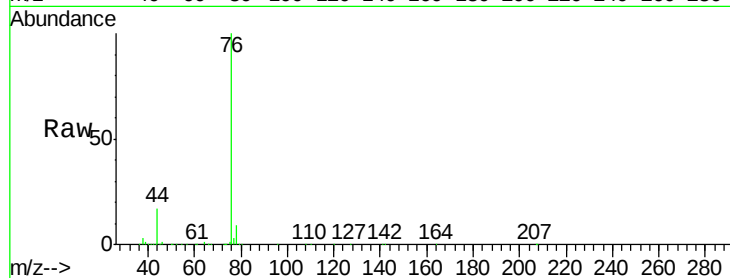
VSTDCCC050

Tot Ion: 76 Resp: 476046

Ion Ratio Lower Upper

76 100

78 9.0 7.8 11.8



#18

Methyl Acetate

Concen: 42.537 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW008821.D

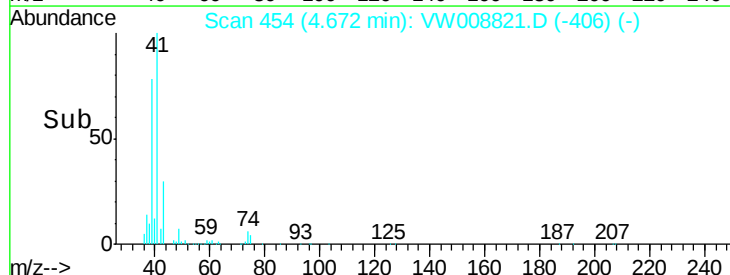
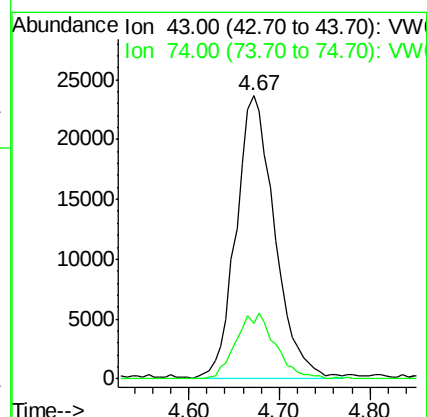
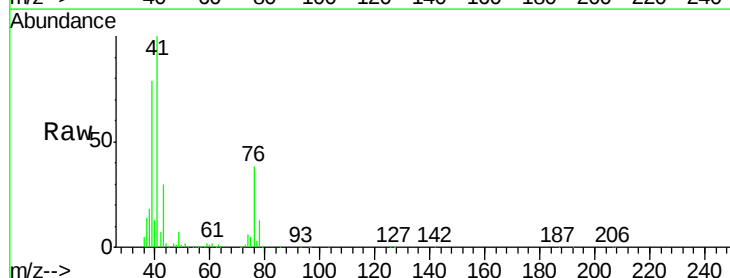
Acq: 26 Feb 2019 10:38

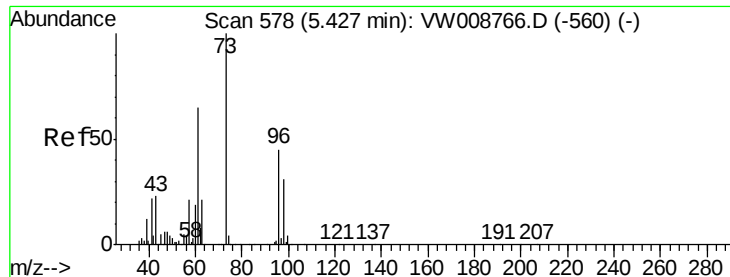
Tgt Ion: 43 Resp: 70179

Ion Ratio Lower Upper

43 100

74 23.7 19.4 29.2



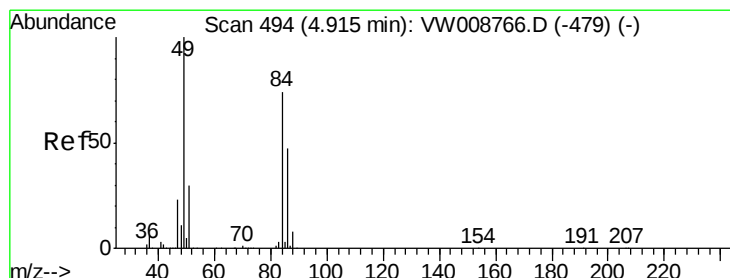
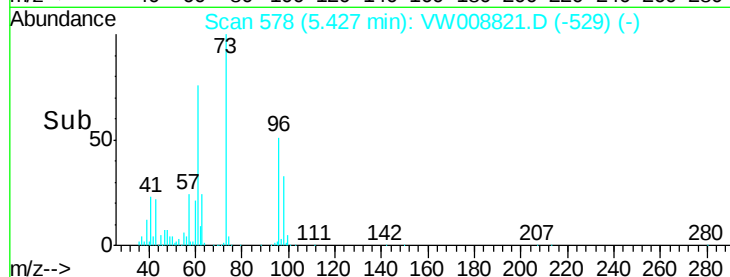
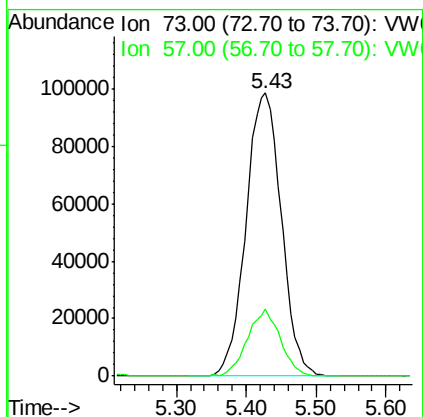
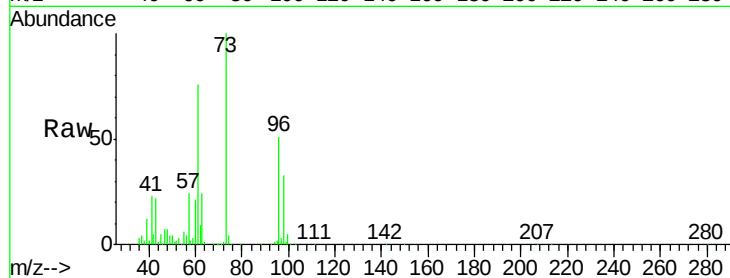


#19

Methyl tert-butyl Ether
 Concen: 45.541 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW008821.D
 Acq: 26 Feb 2019 10:38

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

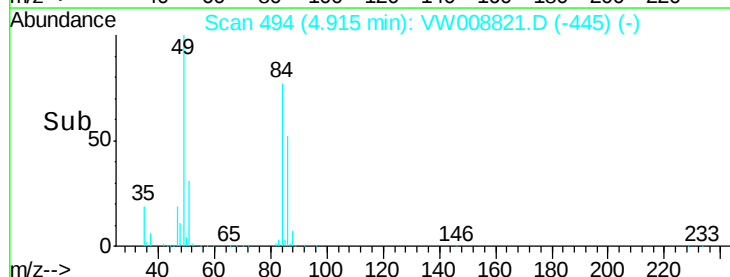
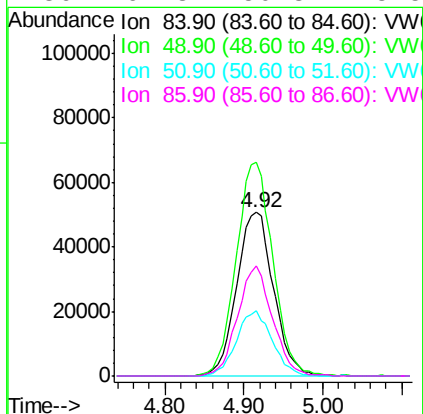
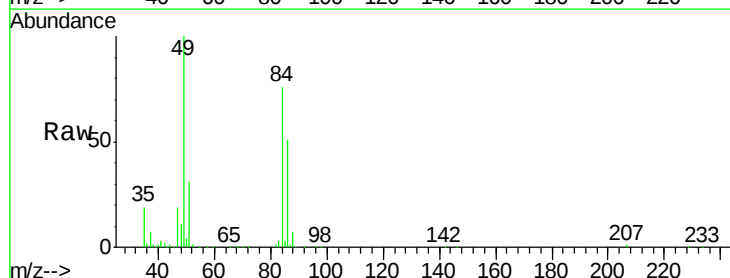
Tot Ion: 73 Resp: 345312
 Ion Ratio Lower Upper
 73 100
 57 23.8 16.8 25.2

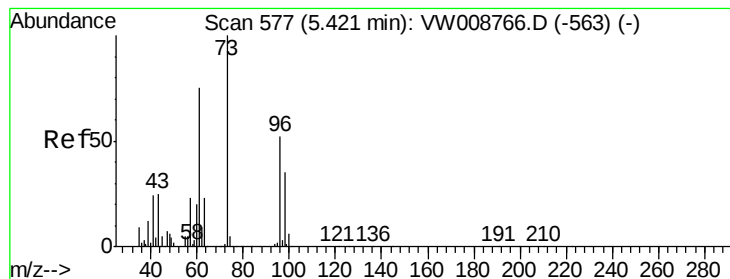


#20

Methylene Chloride
 Concen: 47.862 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW008821.D
 Acq: 26 Feb 2019 10:38

Tgt Ion: 84 Resp: 164748
 Ion Ratio Lower Upper
 84 100
 49 130.8 108.2 162.2
 51 40.1 32.7 49.1
 86 67.3 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 49.611 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

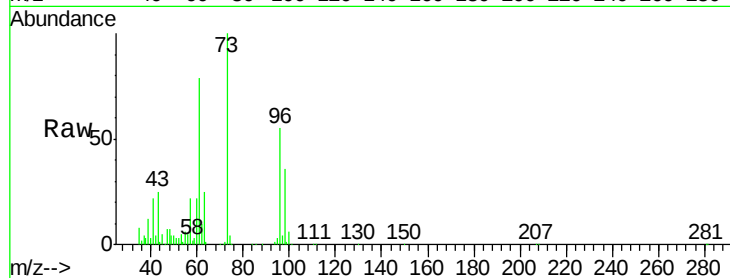
Tot Ion: 96 Resp: 160763

Ion Ratio Lower Upper

96 100

61 144.6 114.6 171.8

98 65.0 54.0 81.0

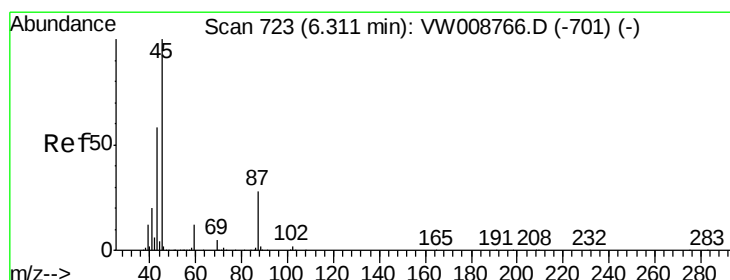
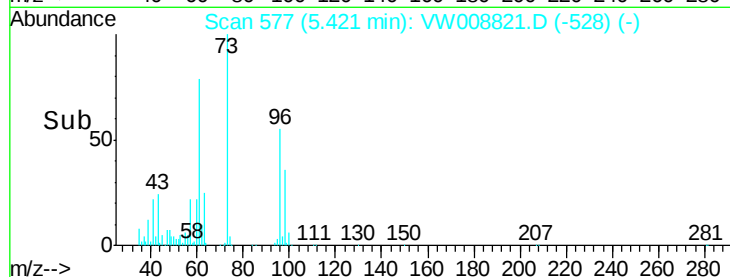
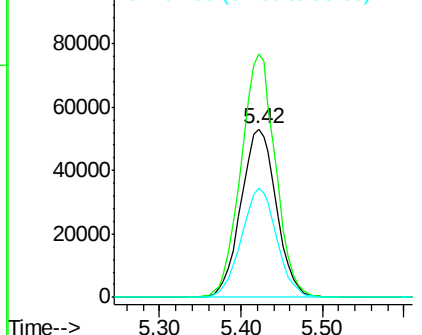


Abundance

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



#22

Diisopropyl ether

Concen: 49.190 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Tgt Ion: 45 Resp: 474435

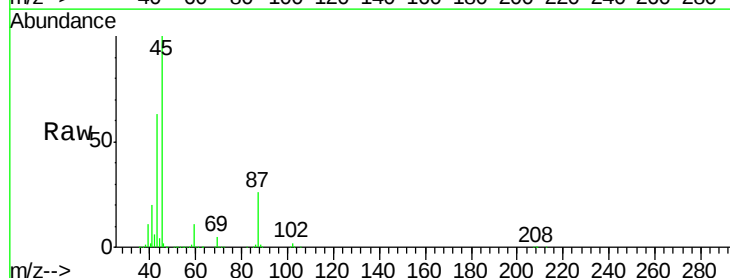
Ion Ratio Lower Upper

45 100

43 62.9 46.1 69.1

87 26.3 22.2 33.4

59 10.6 10.0 15.0



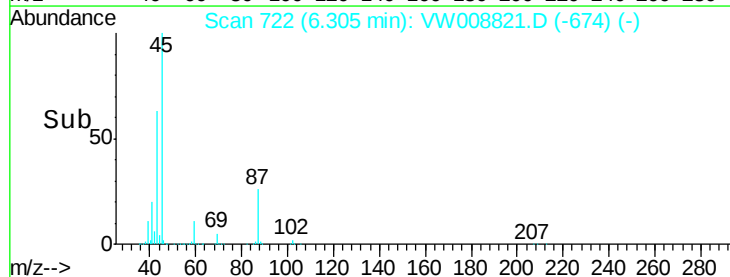
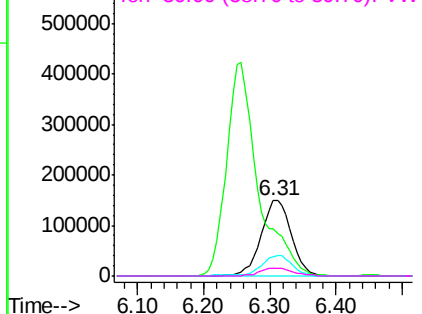
Abundance

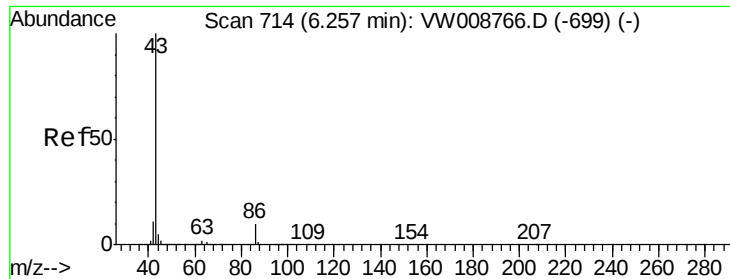
Ion 45.00 (44.70 to 45.70): VW

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: 234.603 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

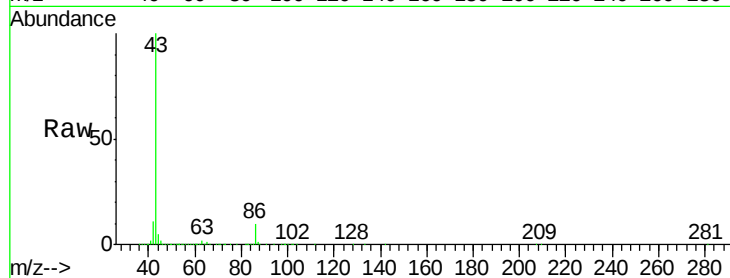
VSTDCCC050

Tot Ion: 43 Resp: 1398023

Ion Ratio Lower Upper

43 100

86 9.9 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

400000

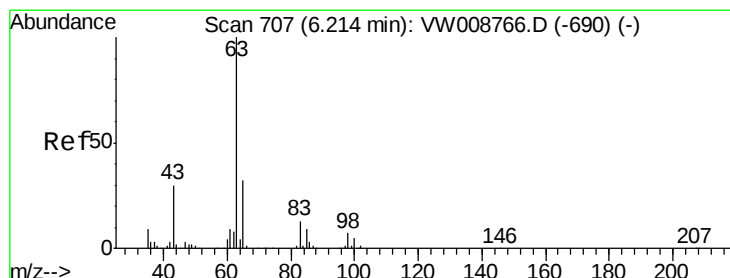
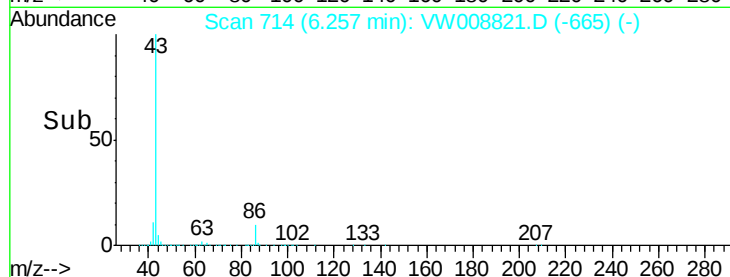
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.689 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

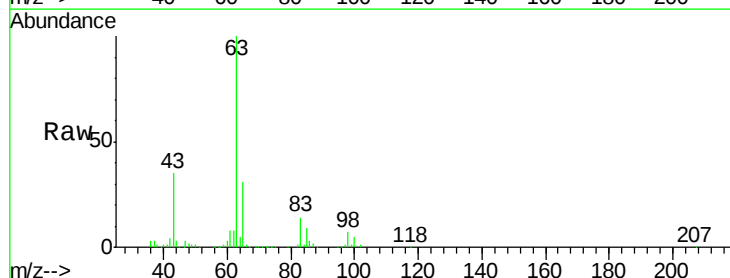
Tgt Ion: 63 Resp: 283301

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.6

100 4.9 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

120000

100000

80000

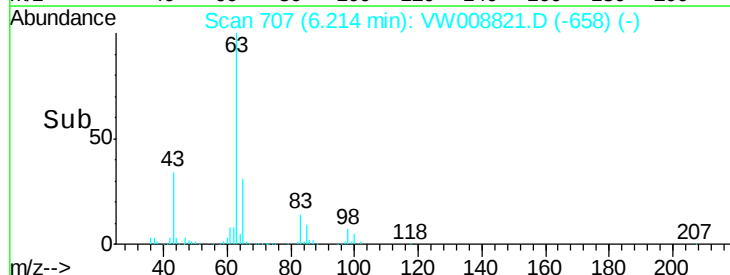
60000

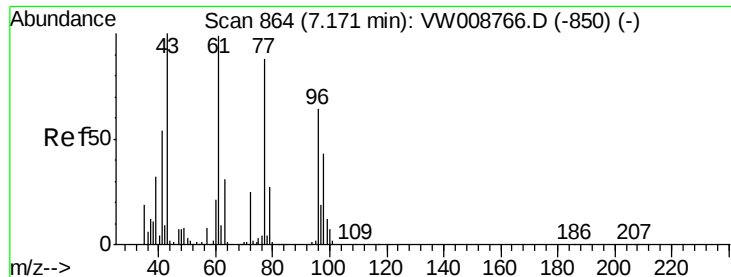
40000

20000

0

Time-->





#25

2-Butanone

Concen: 237.828 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

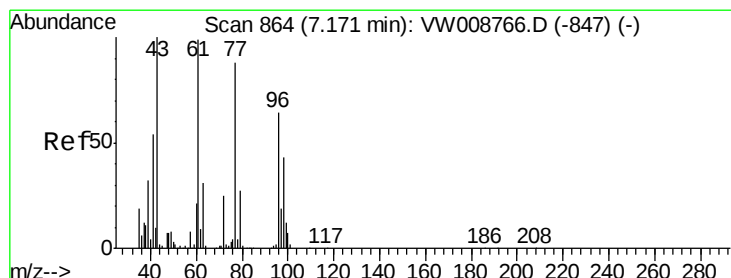
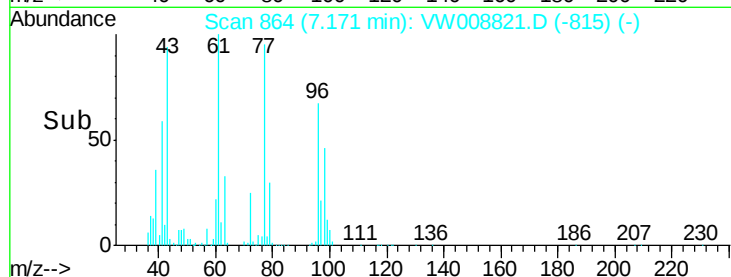
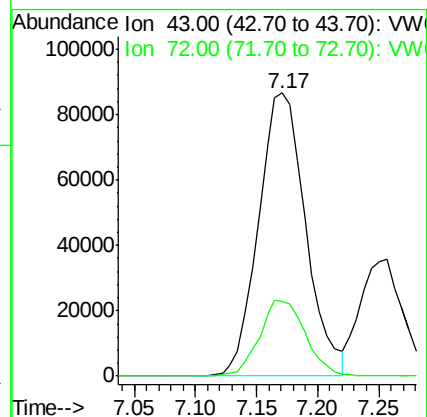
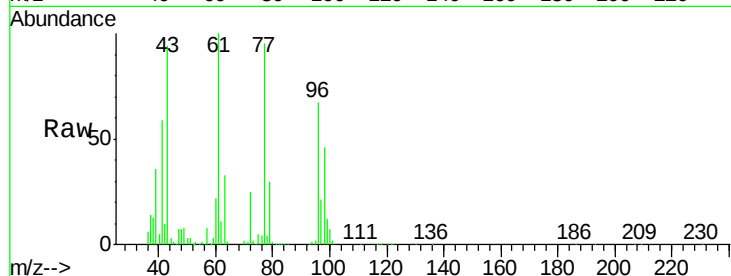
VSTDCCC050

Tot Ion: 43 Resp: 231278

Ion Ratio Lower Upper

43 100

72 26.6 19.7 29.5



#26

2,2-Dichloropropane

Concen: 52.450 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008821.D

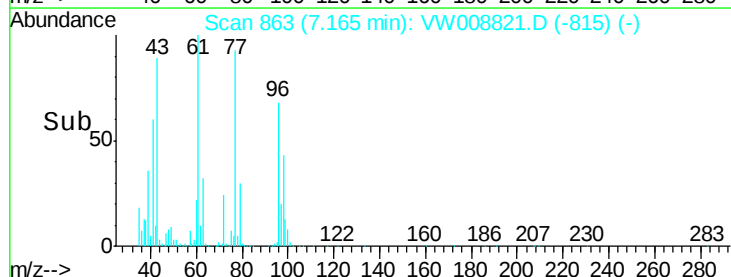
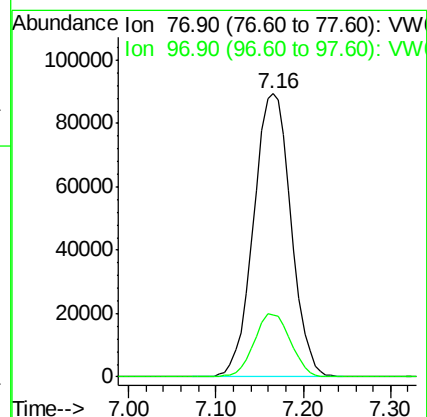
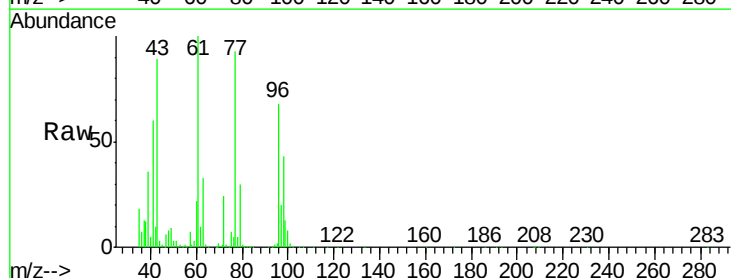
Acq: 26 Feb 2019 10:38

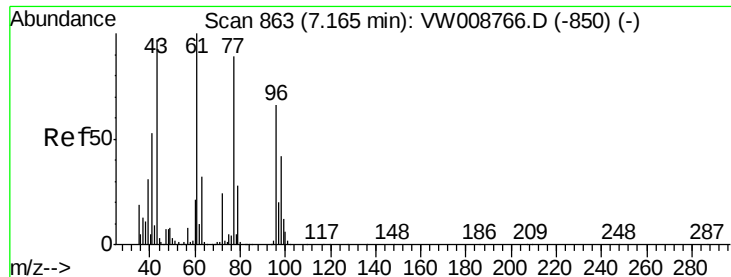
Tgt Ion: 77 Resp: 266138

Ion Ratio Lower Upper

77 100

97 21.9 11.0 33.0



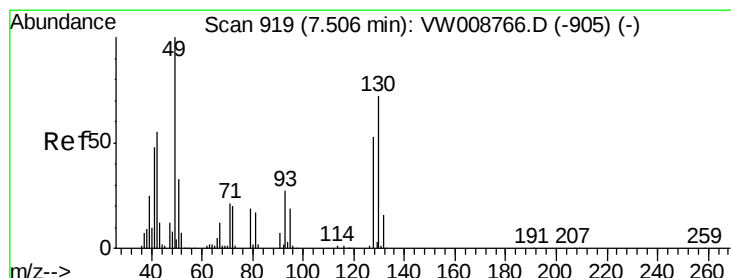
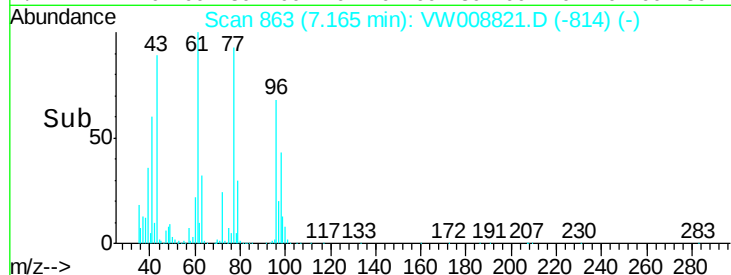
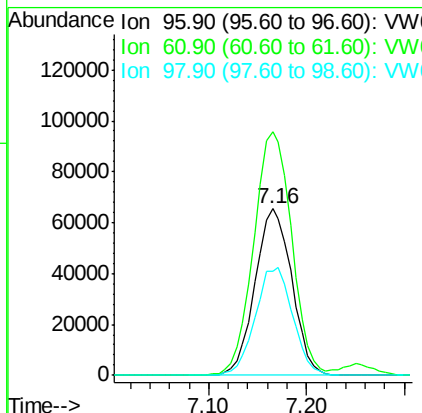
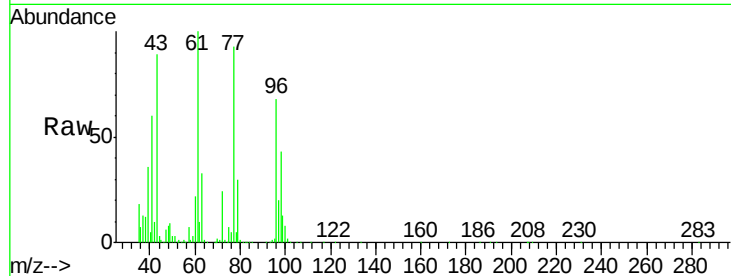


#27

cis-1,2-Dichloroethene
Concen: 49.446 ug/l
RT: 7.16 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

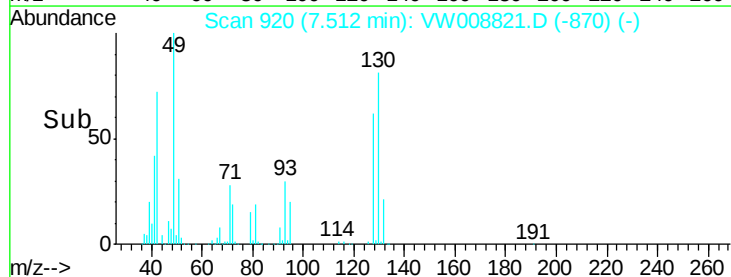
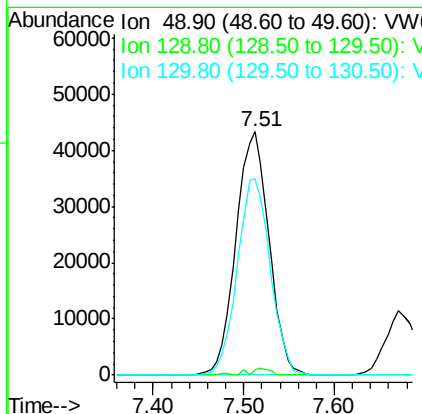
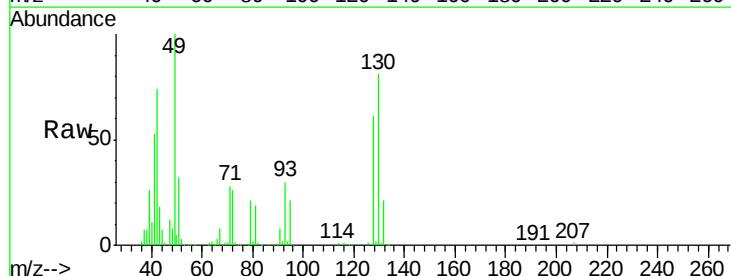
Tot Ion: 96 Resp: 171396
Ion Ratio Lower Upper
96 100
61 150.7 0.0 302.6
98 65.6 0.0 130.0

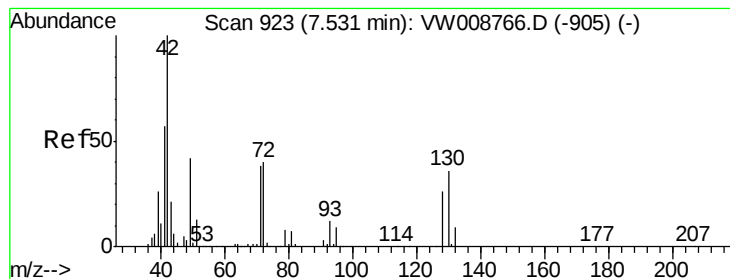


#28

Bromochloromethane
Concen: 46.804 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Tgt Ion: 49 Resp: 109466
Ion Ratio Lower Upper
49 100
129 1.7 0.0 2.6
130 80.5 61.3 91.9





#29

Tetrahydrofuran

Concen: 207.509 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

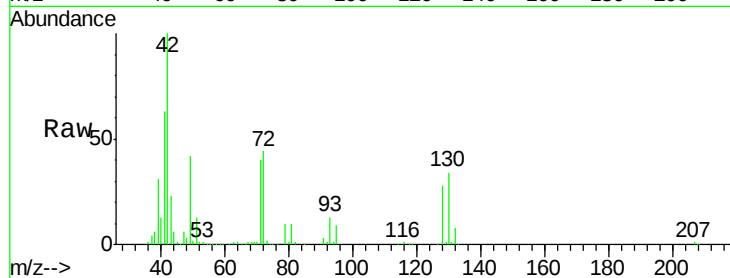
MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 42 Resp: 128597

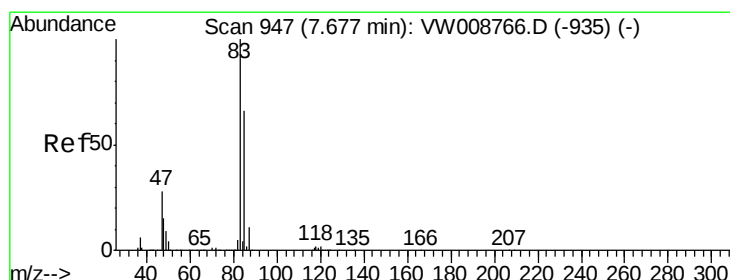
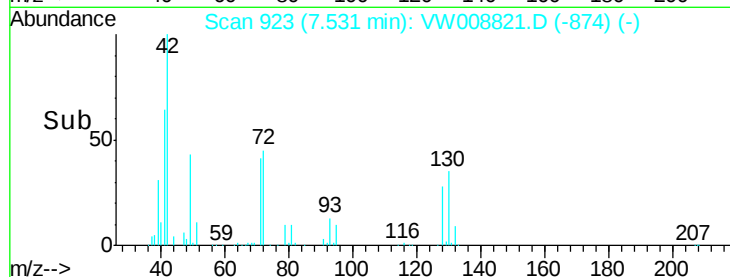
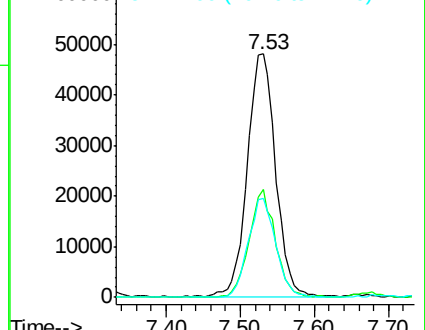
Ion	Ratio	Lower	Upper
42	100		
72	40.7	32.7	49.1
71	39.6	31.3	46.9



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 50.290 ug/l

RT: 7.67 min Scan# 946

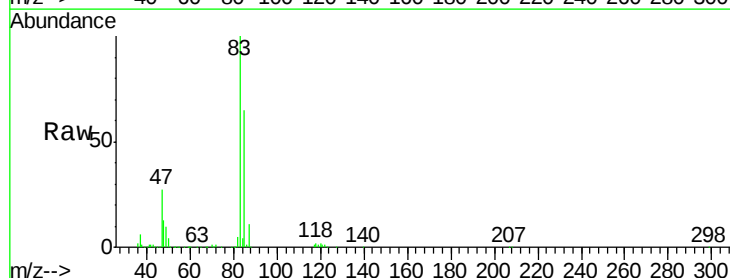
Delta R.T. -0.01 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

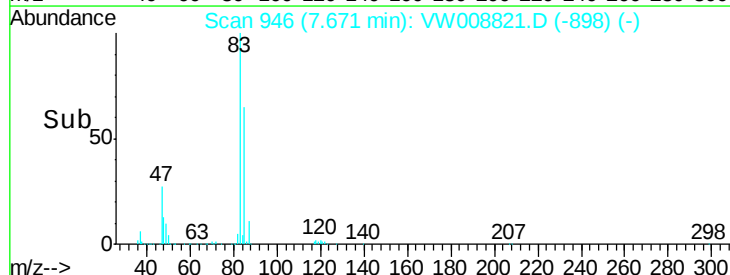
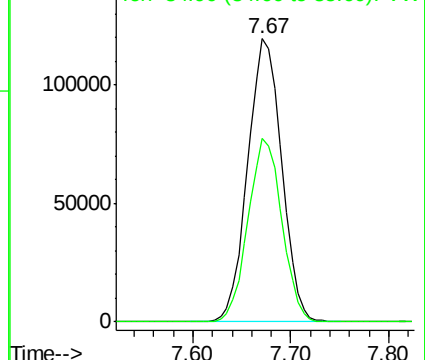
Tgt Ion: 83 Resp: 288342

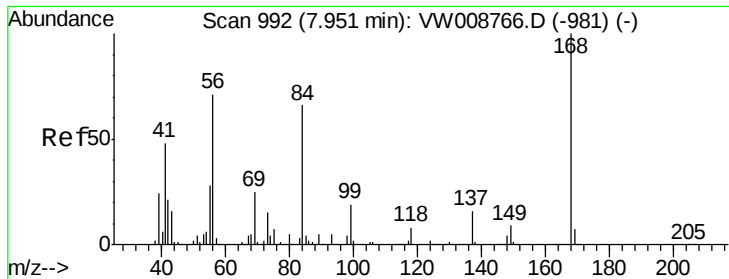
Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.6	79.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

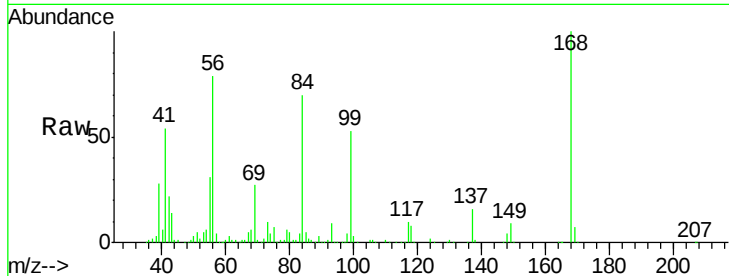




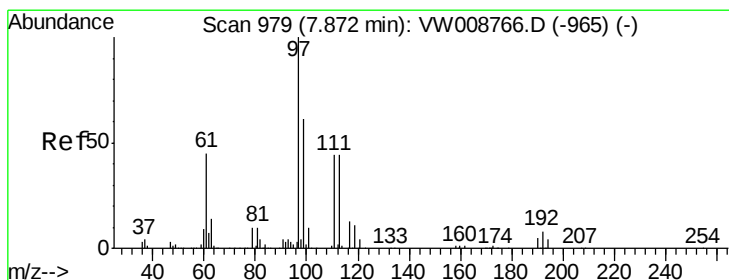
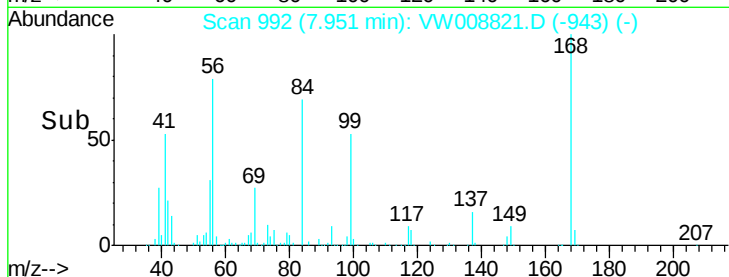
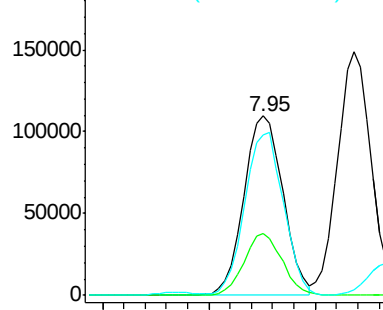
#31
Cyclohexane
Concen: 49.207 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 278378
Ion Ratio Lower Upper
56 100
69 34.7 28.2 42.4
84 88.4 74.1 111.1

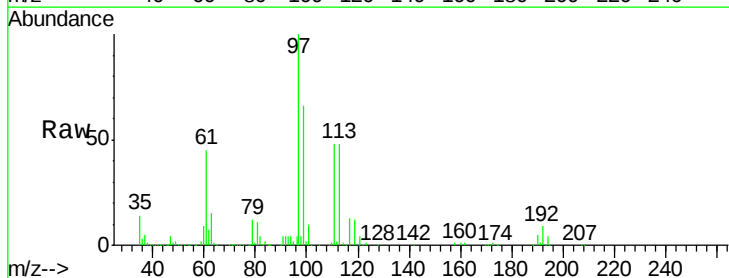


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

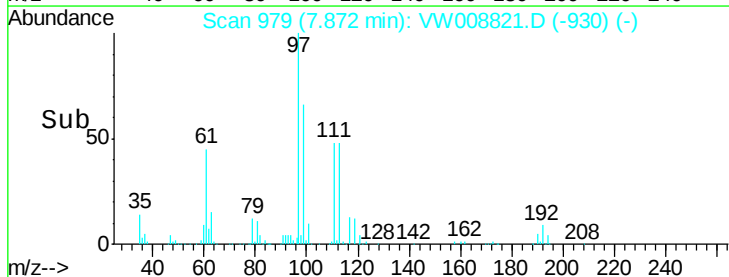
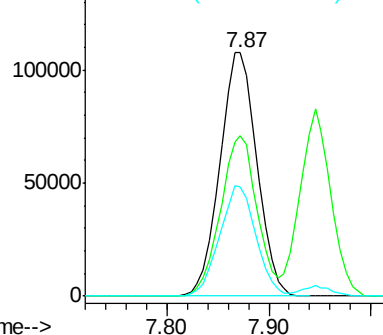


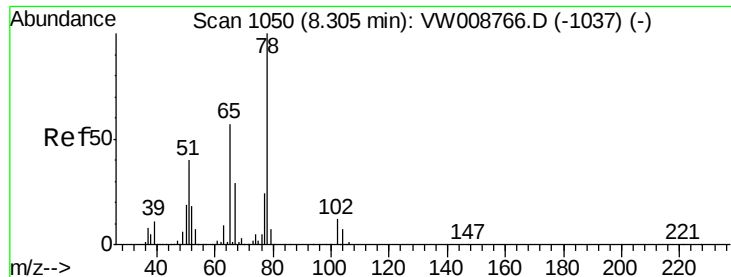
#32
1,1,1-Trichloroethane
Concen: 51.961 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Tgt Ion: 97 Resp: 270932
Ion Ratio Lower Upper
97 100
99 65.2 50.8 76.2
61 44.8 36.0 54.0



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





#33

1,2-Dichloroethane-d4

Concen: 50.660 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

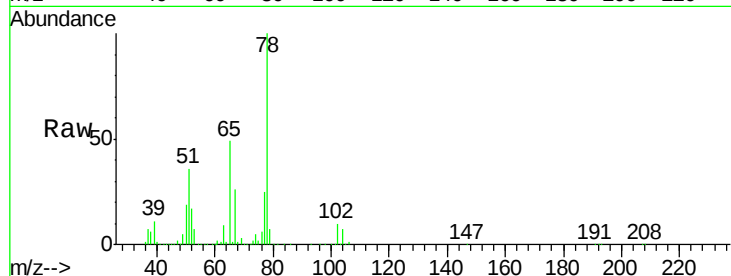
VSTDCCC050

Tot Ion: 65 Resp: 152023

Ion Ratio Lower Upper

65 100

67 51.5 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

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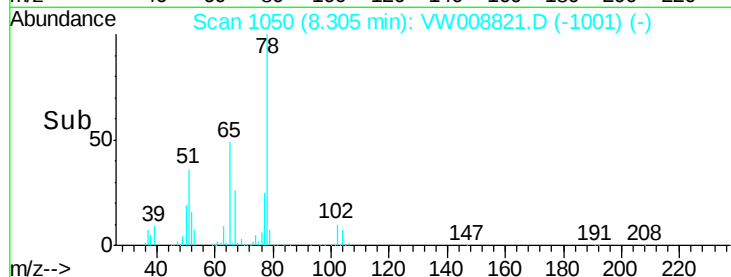
8.31

8.31

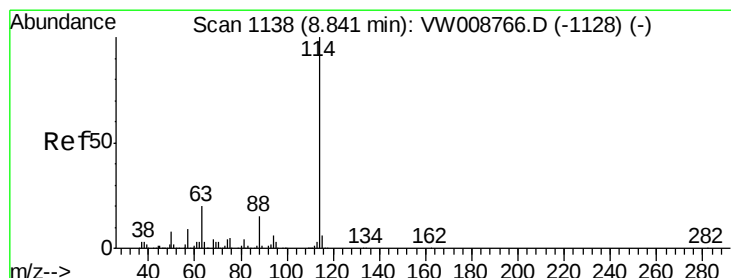
8.31

8.31

8.31



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

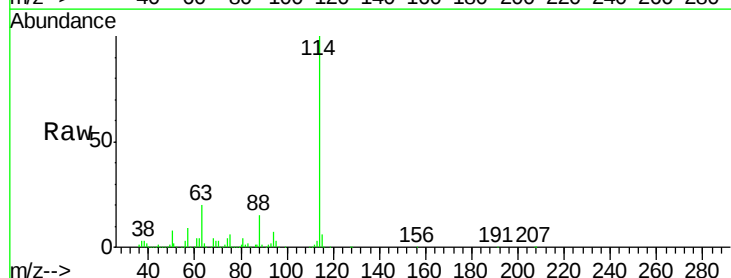
Tgt Ion: 114 Resp: 447532

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.8

88 15.1 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

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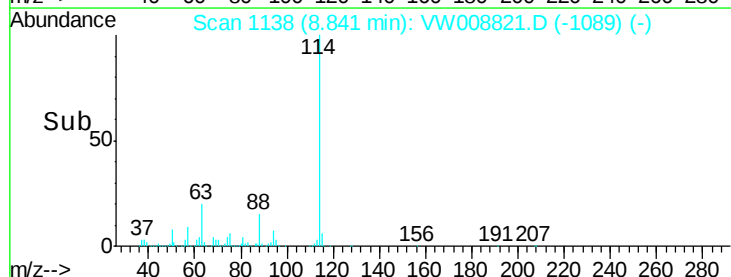
8.84

8.84

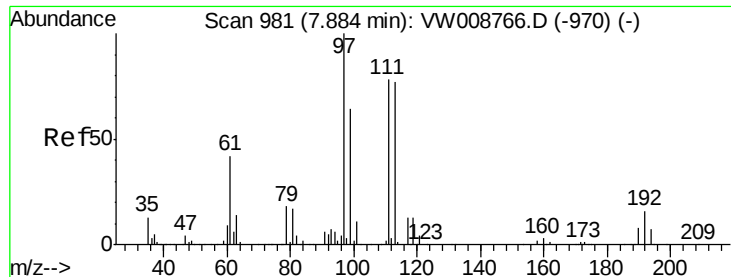
8.84

8.84

8.84



Time-->



#35

Dibromofluoromethane

Concen: 55.232 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

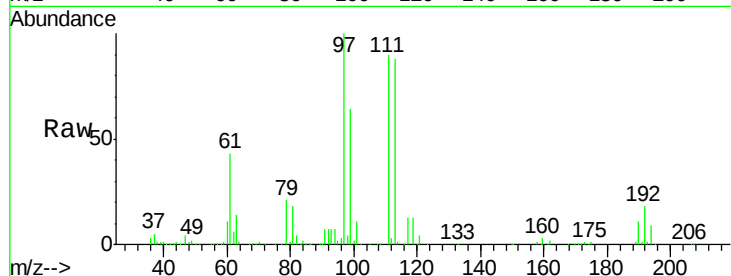
Tot Ion:113 Resp: 148409

Ion Ratio Lower Upper

113 100

111 103.6 81.9 122.9

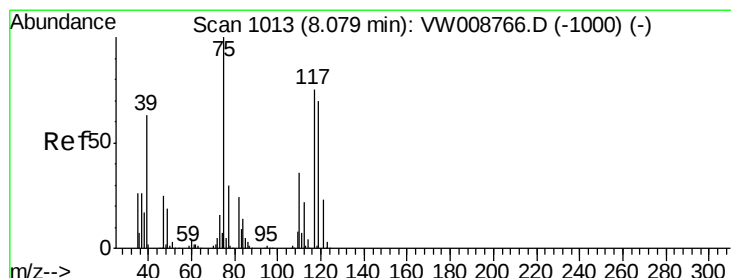
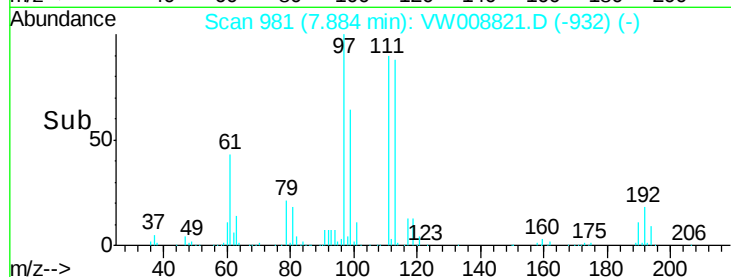
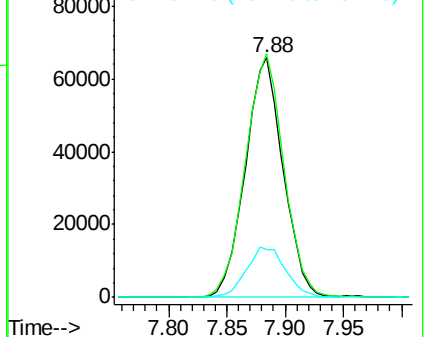
192 21.9 17.1 25.7



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: 53.449 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

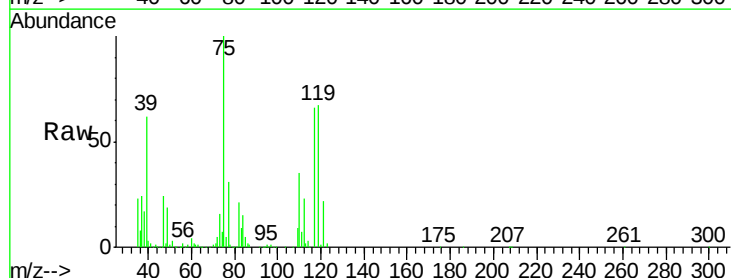
Tgt Ion: 75 Resp: 232846

Ion Ratio Lower Upper

75 100

110 37.0 17.5 52.6

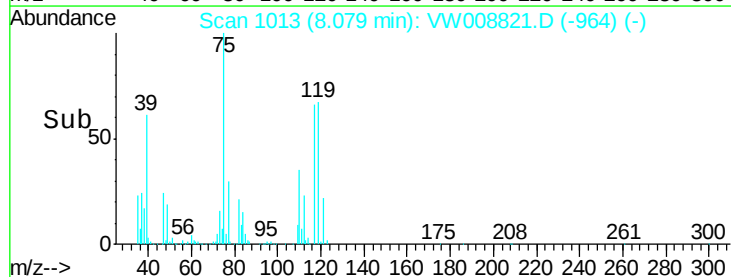
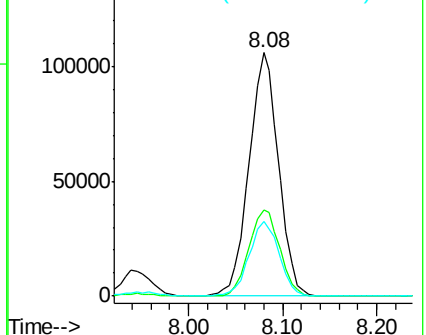
77 31.5 24.5 36.7

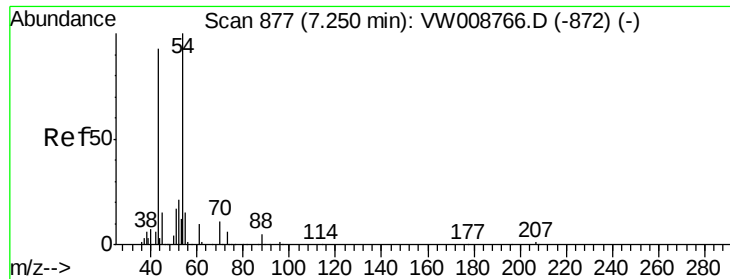


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

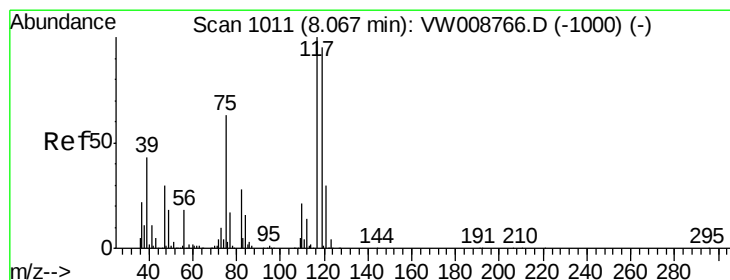
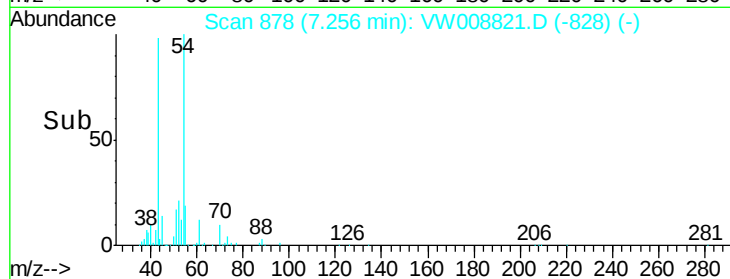
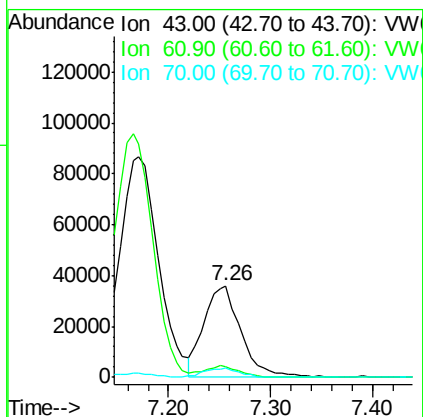
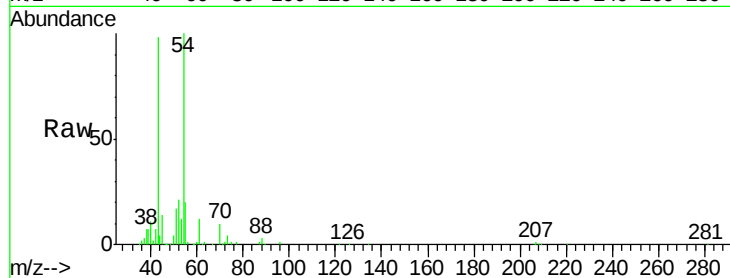




#37
Ethyl Acetate
Concen: 44.109 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

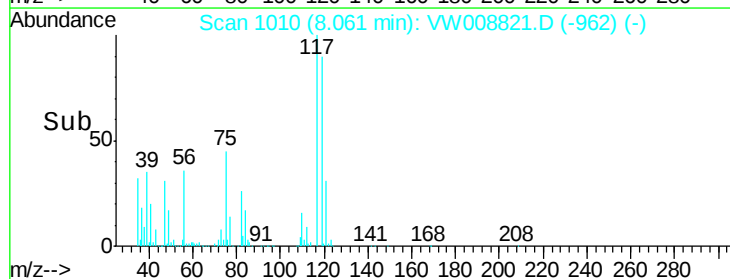
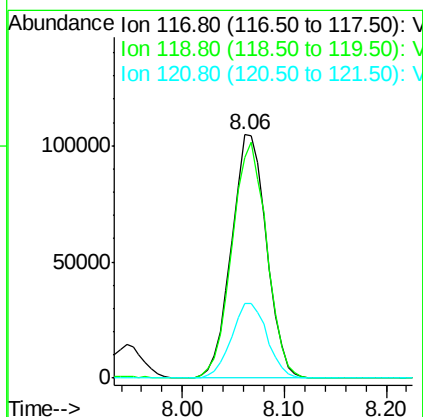
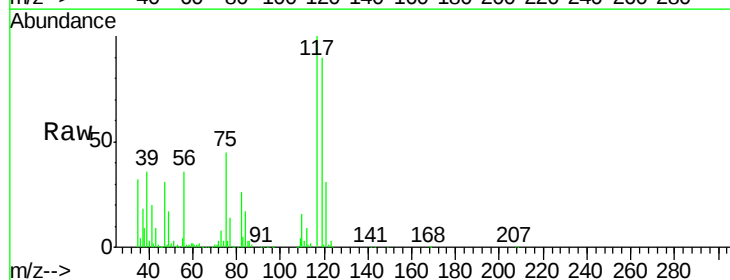
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

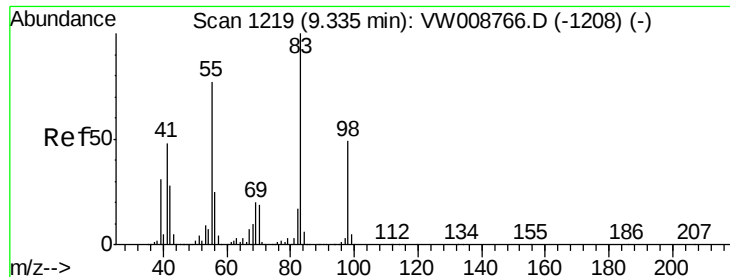
Tot Ion	Ratio	Lower	Upper
43	100		
61	11.2	9.8	14.8
70	10.0	8.4	12.6



#38
Carbon Tetrachloride
Concen: 54.237 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.4	76.1	114.1
121	30.5	24.0	36.0

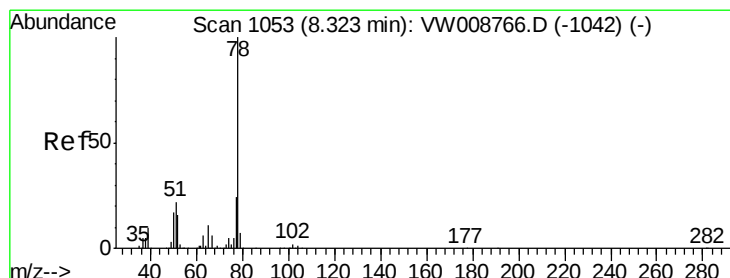
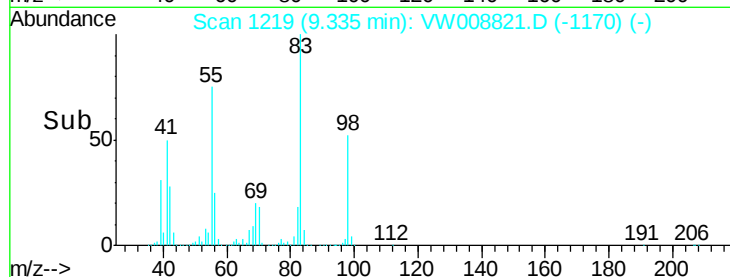
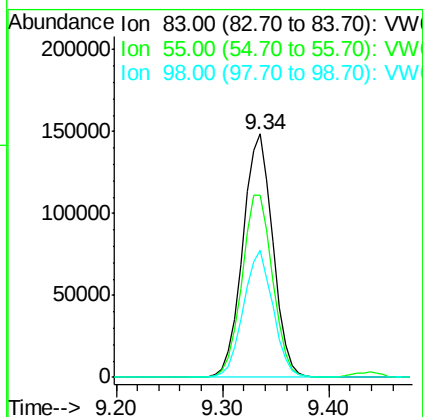
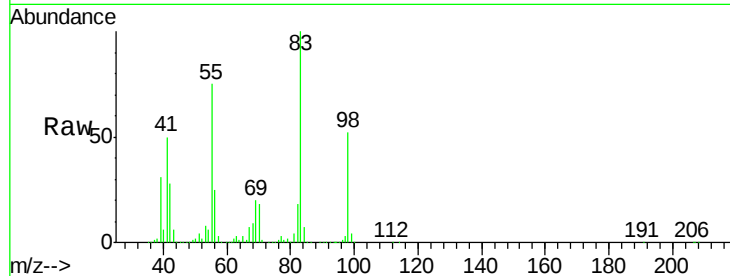




#39
Methvlcvclohexane
Concen: 54.307 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

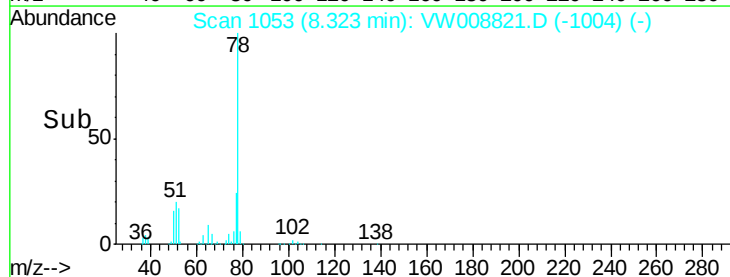
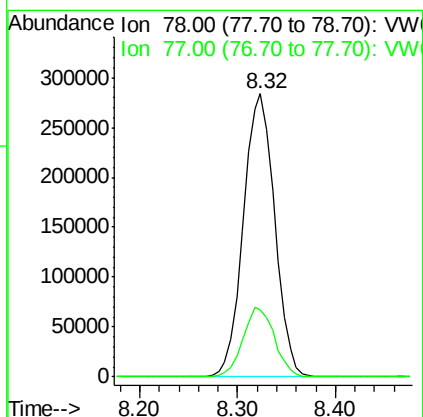
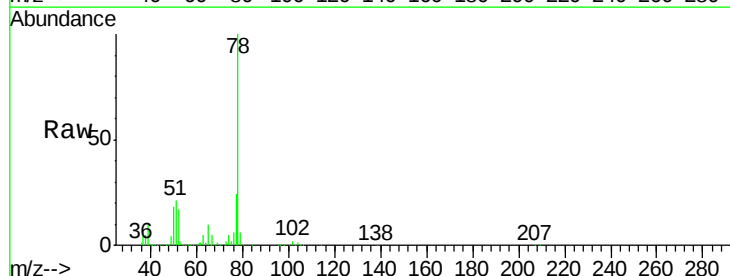
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

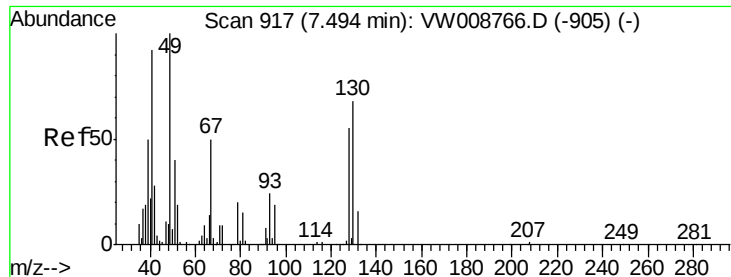
Tot Ion	83	Resp	295100
Ion	Ratio	Lower	Upper
83	100		
55	74.6	61.2	91.8
98	52.3	39.4	59.2



#40
Benzene
Concen: 52.881 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Tgt Ion	78	Resp	628996
Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.3	28.9

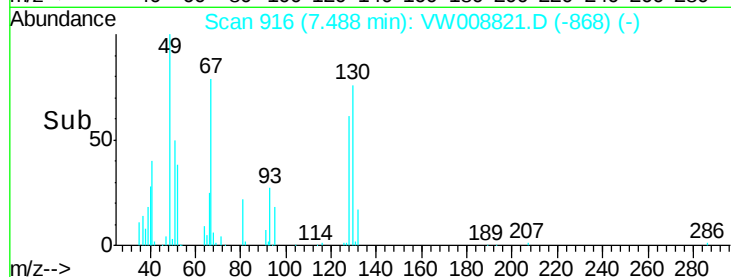
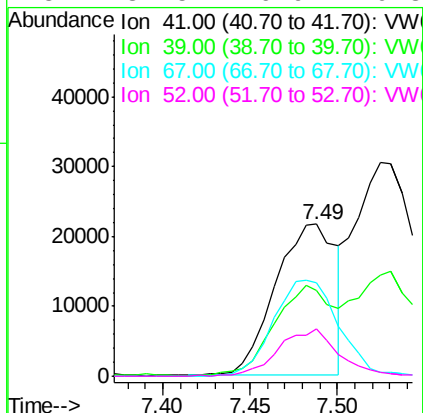
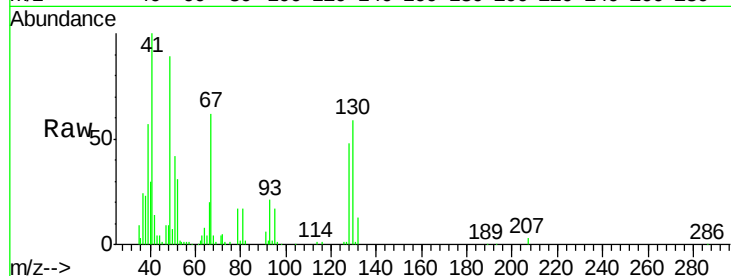




#41
Methacrylonitrile
Concen: 44.224 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.01 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

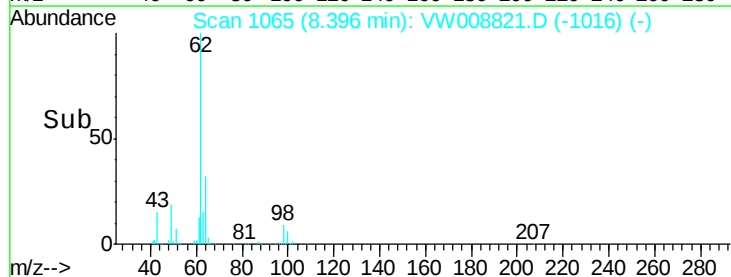
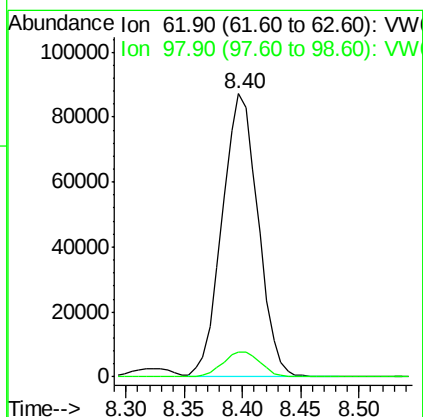
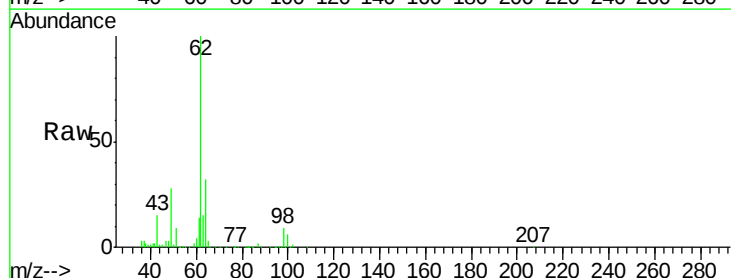
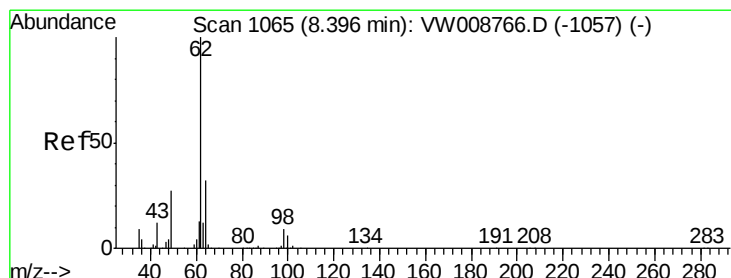
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

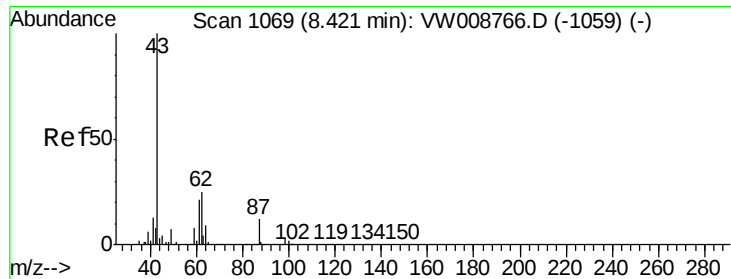
Tot Ion:	41	Resp:	52662
Ion	Ratio	Lower	Upper
41	100		
39	58.5	52.5	78.7
67	68.2	55.0	82.6
52	31.5	26.9	40.3



#42
1,2-Dichloroethane
Concen: 49.469 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Tgt Ion:	62	Resp:	186393
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2





#43

Isopropyl Acetate

Concen: 44.452 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

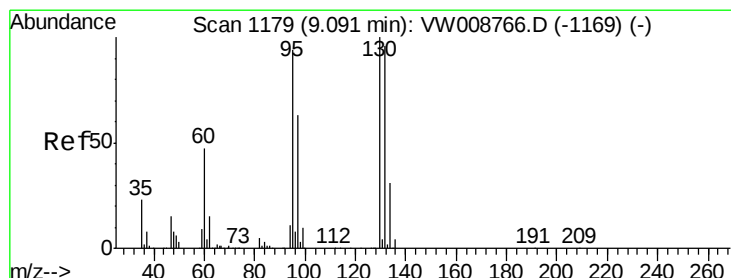
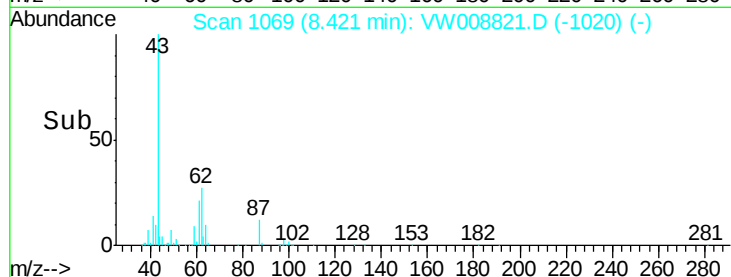
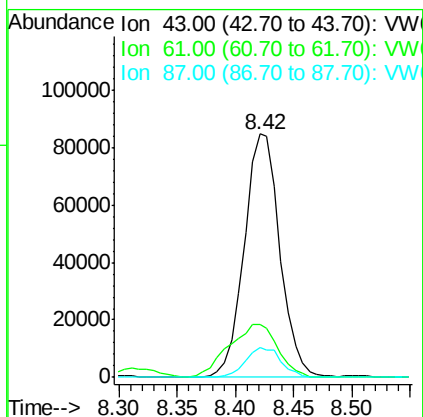
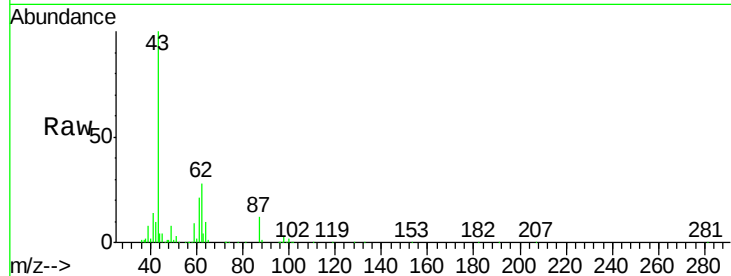
Tot Ion: 43 Resp: 179728

Ion Ratio Lower Upper

43 100

61 29.6 23.2 34.8

87 12.3 9.9 14.9



#44

Trichloroethene

Concen: 53.146 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW008821.D

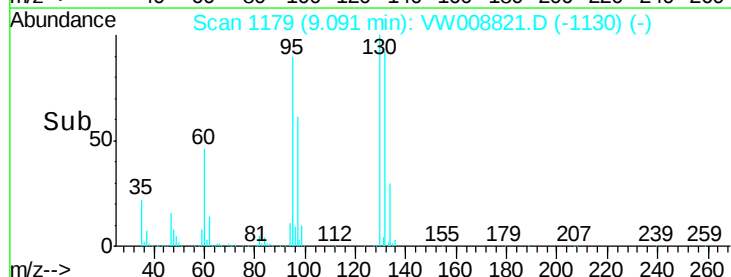
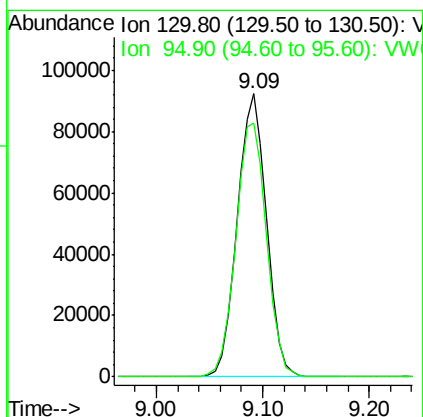
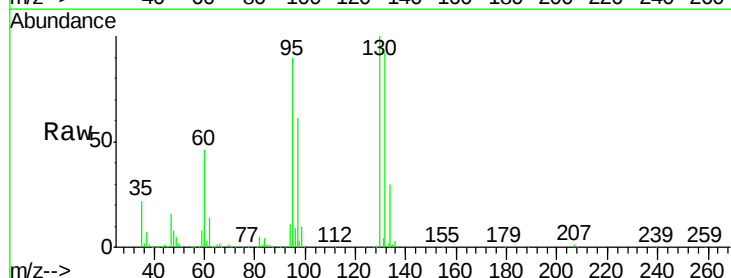
Acq: 26 Feb 2019 10:38

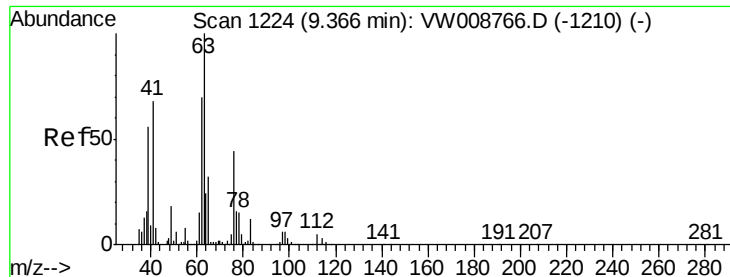
Tgt Ion: 130 Resp: 178079

Ion Ratio Lower Upper

130 100

95 89.7 0.0 188.6





#45

1,2-Dichloropropane

Concen: 51.407 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

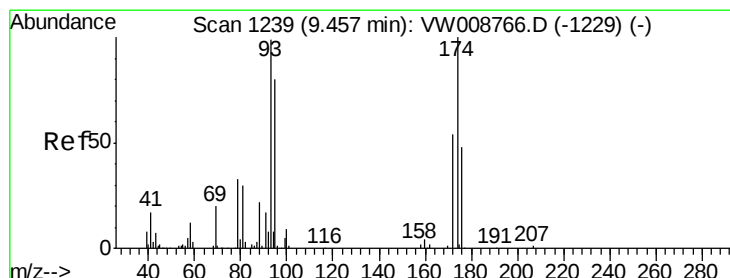
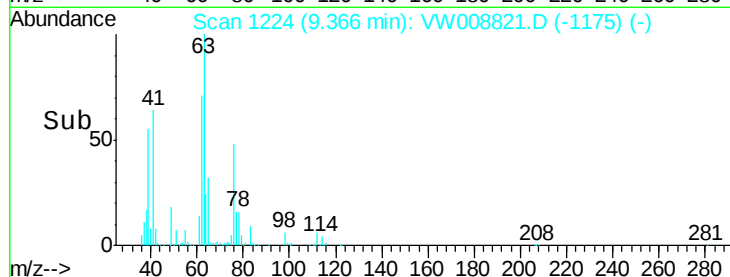
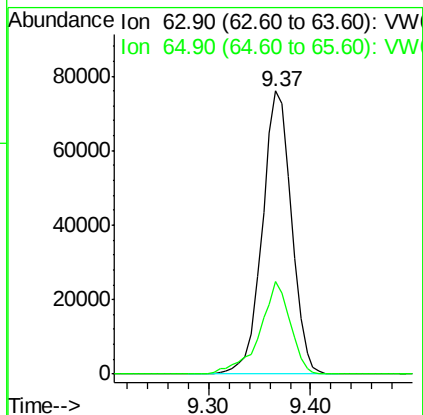
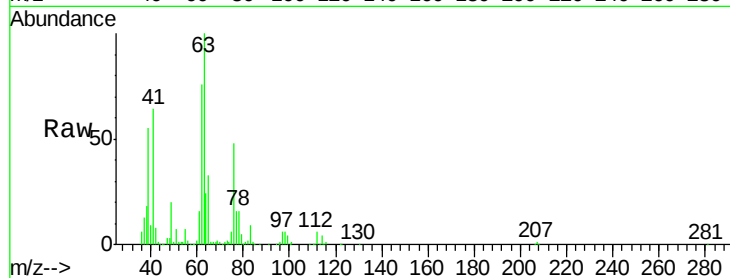
VSTDCCC050

Tot Ion: 63 Resp: 151101

Ion Ratio Lower Upper

63 100

65 32.7 25.5 38.3



#46

Dibromomethane

Concen: 48.690 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

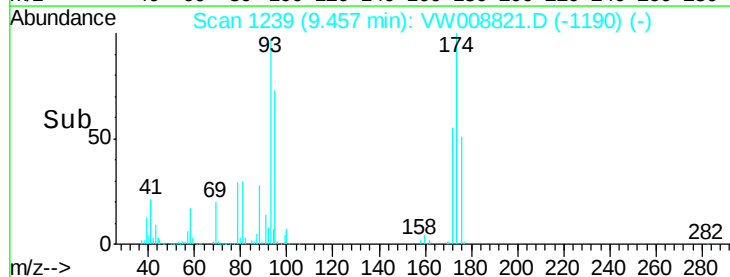
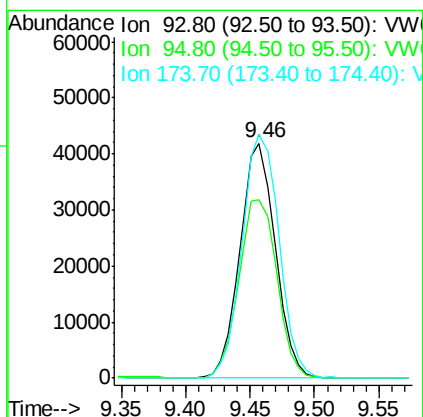
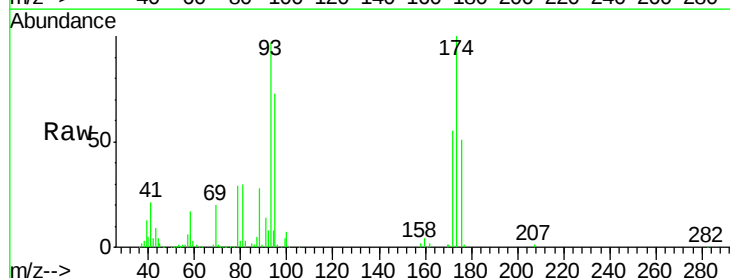
Tgt Ion: 93 Resp: 79606

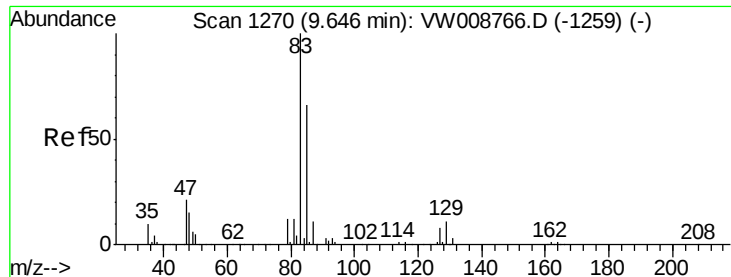
Ion Ratio Lower Upper

93 100

95 81.8 67.7 101.5

174 109.0 86.7 130.1





#47

Bromodichloromethane

Concen: 52.422 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

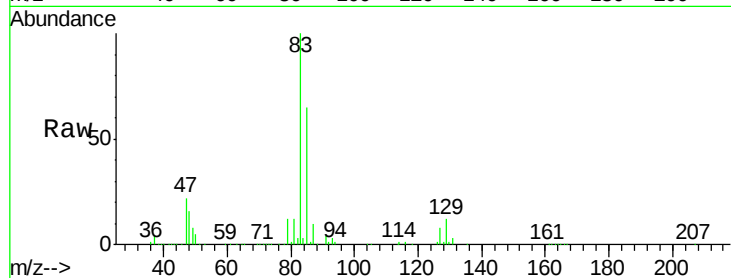
Tot Ion: 83 Resp: 208528

Ion Ratio Lower Upper

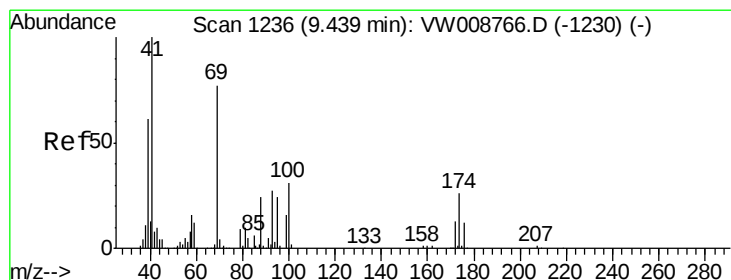
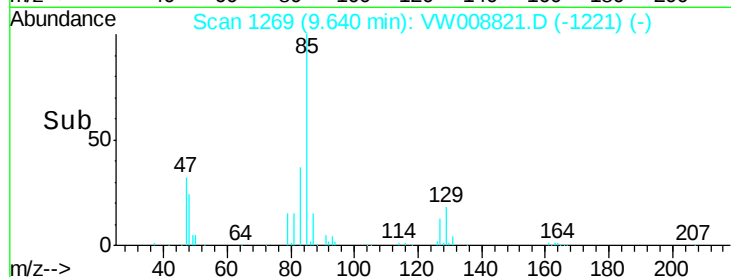
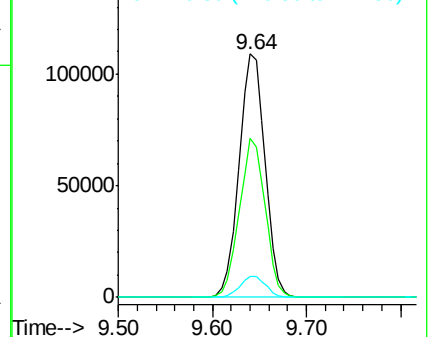
83 100

85 65.4 52.5 78.7

127 8.4 6.7 10.1



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): V



#48

Methyl methacrylate

Concen: 47.019 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

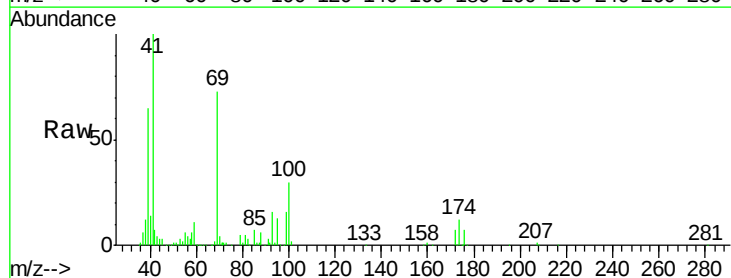
Tgt Ion: 41 Resp: 91050

Ion Ratio Lower Upper

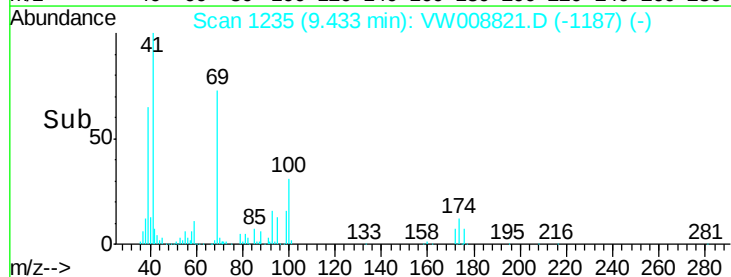
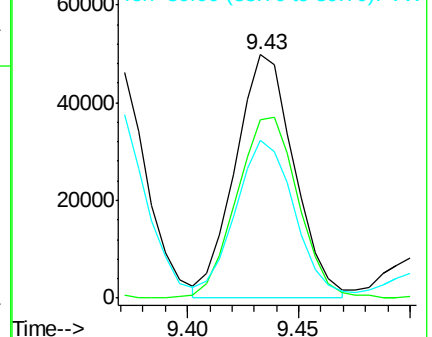
41 100

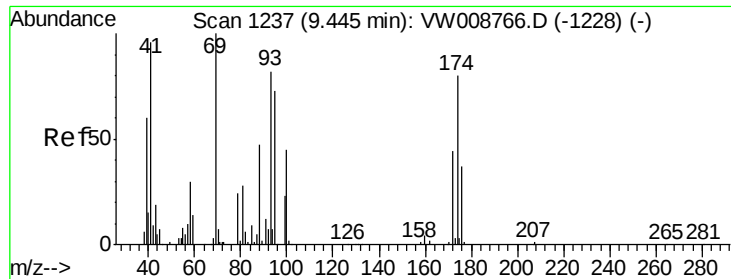
69 78.4 63.6 95.4

39 60.7 52.1 78.1



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

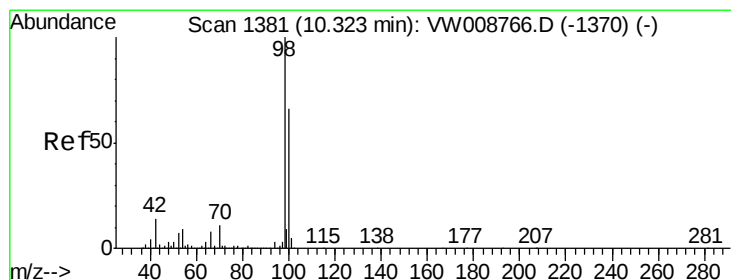
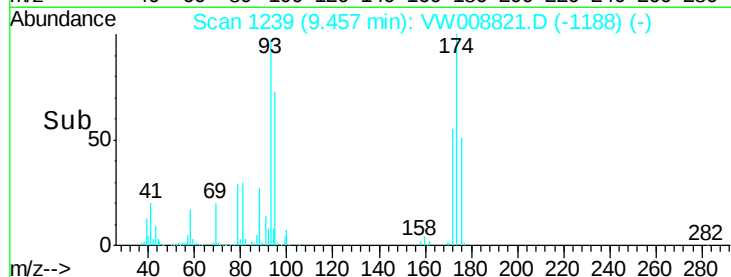
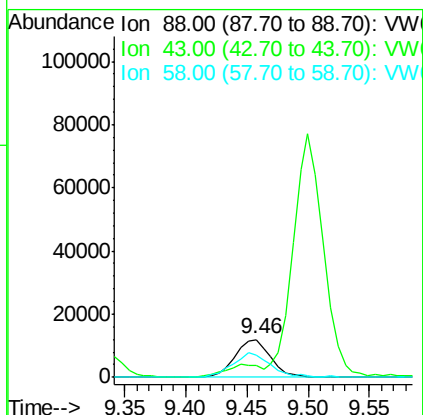
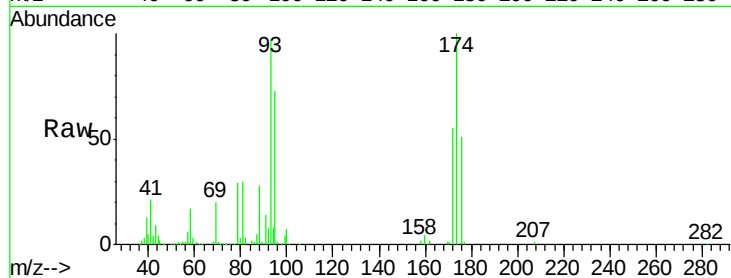




#49
1,4-Dioxane
Concen: 919.140 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

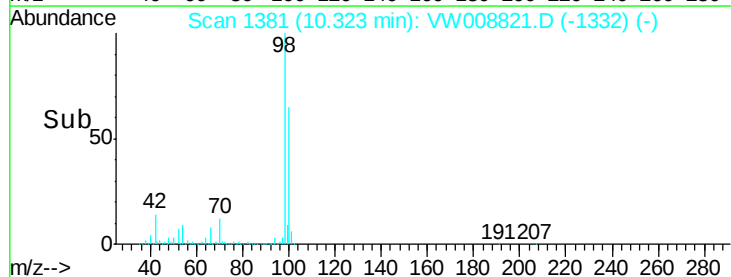
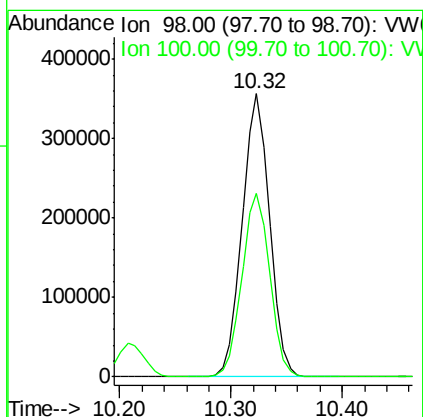
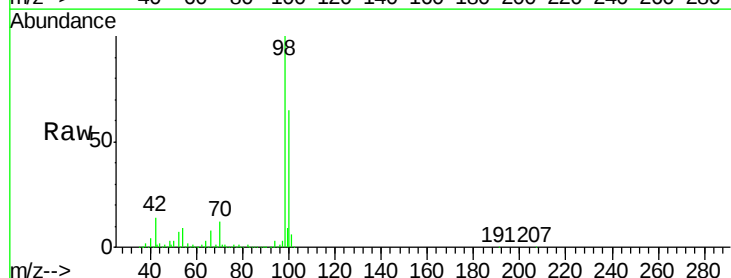
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

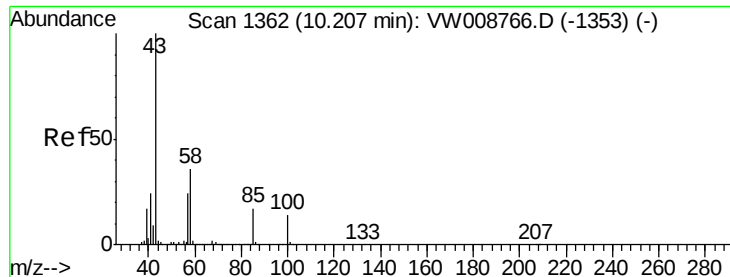
Tot Ion: 88 Resp: 24065
Ion Ratio Lower Upper
88 100
43 34.4 29.0 43.4
58 71.0 52.0 78.0



#50
Toluene-d8
Concen: 58.630 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Tgt Ion: 98 Resp: 608151
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 224.016 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

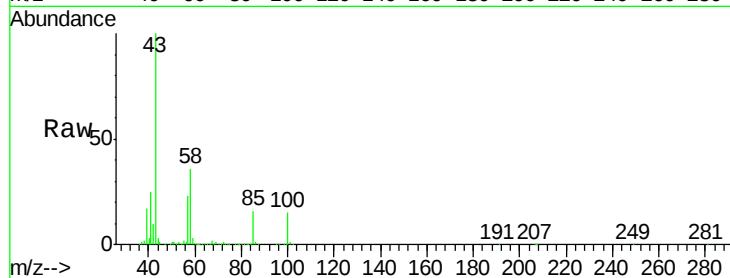
VSTDCCC050

Tot Ion: 43 Resp: 459843

Ion Ratio Lower Upper

43 100

58 36.5 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

250000

200000

150000

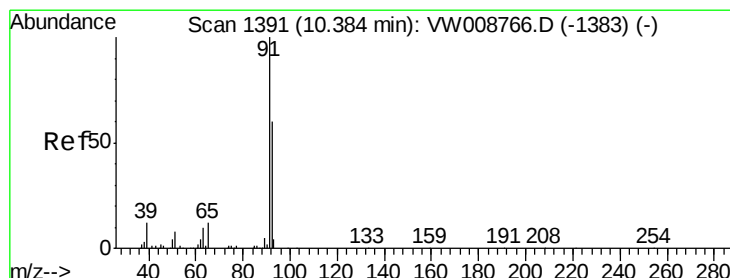
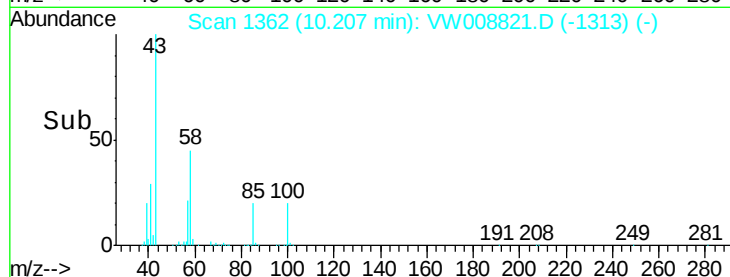
100000

50000

0

Time-->

10.10 10.20 10.30



#52

Toluene

Concen: 53.962 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW008821.D

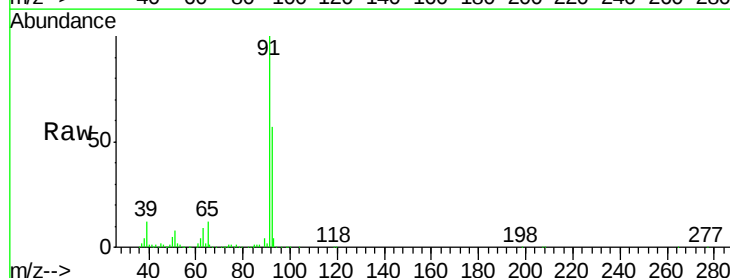
Acq: 26 Feb 2019 10:38

Tgt Ion: 92 Resp: 435606

Ion Ratio Lower Upper

92 100

91 172.9 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

500000

400000

300000

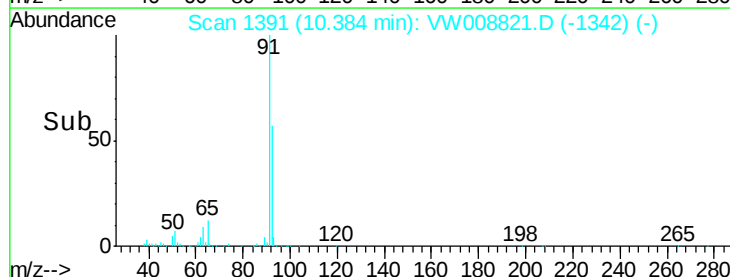
200000

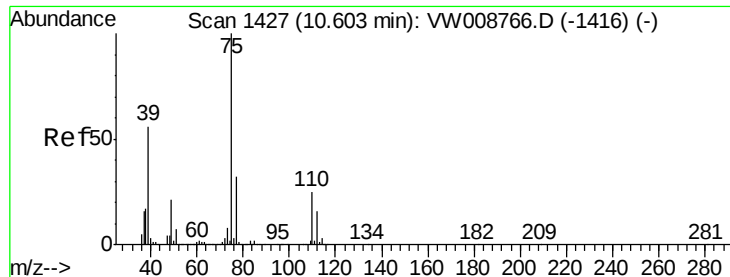
100000

0

Time-->

10.30 10.40 10.50





#53

t-1,3-Dichloropropene

Concen: 50.986 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

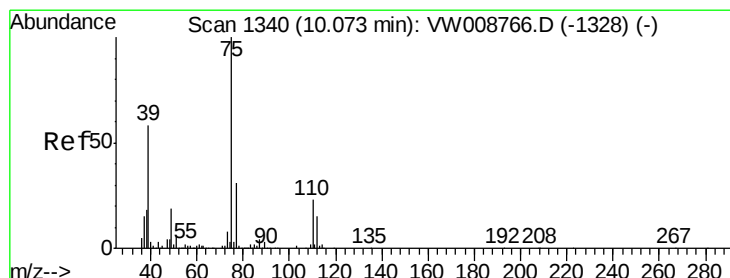
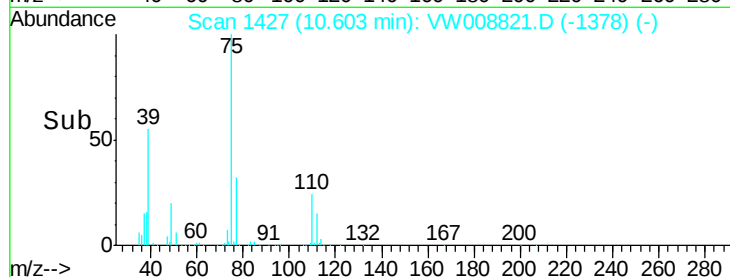
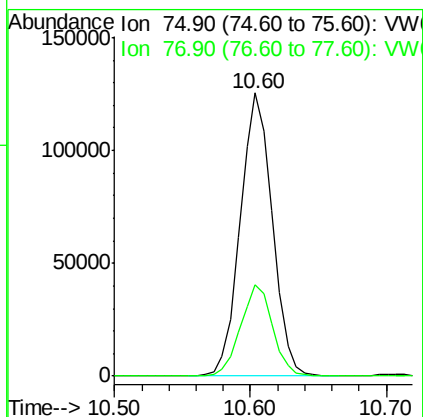
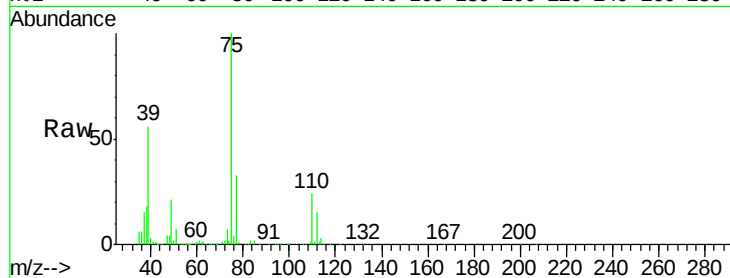
VSTDCCC050

Tot Ion: 75 Resp: 206722

Ion Ratio Lower Upper

75 100

77 32.4 26.1 39.1



#54

cis-1,3-Dichloropropene

Concen: 52.723 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

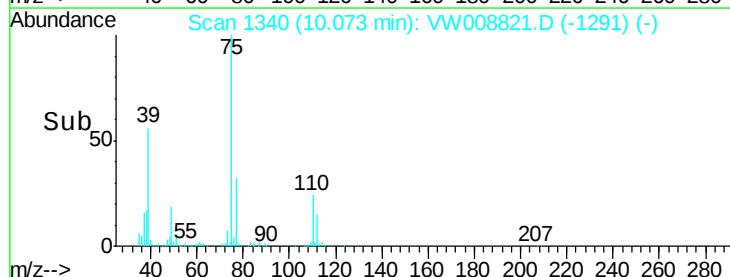
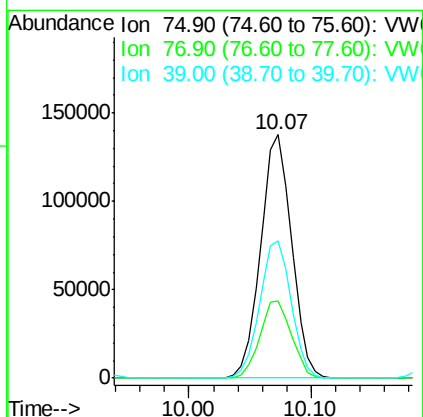
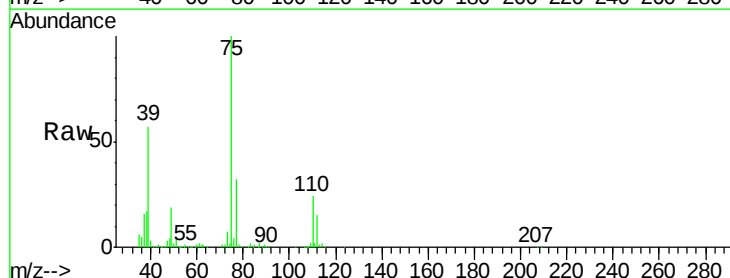
Tgt Ion: 75 Resp: 243802

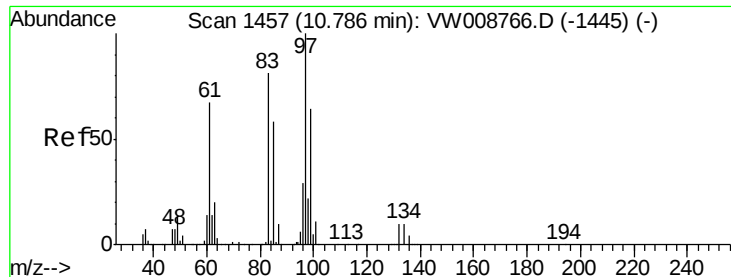
Ion Ratio Lower Upper

75 100

77 31.5 25.0 37.4

39 56.4 46.6 70.0





#55

1,1,2-Trichloroethane

Concen: 48.623 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

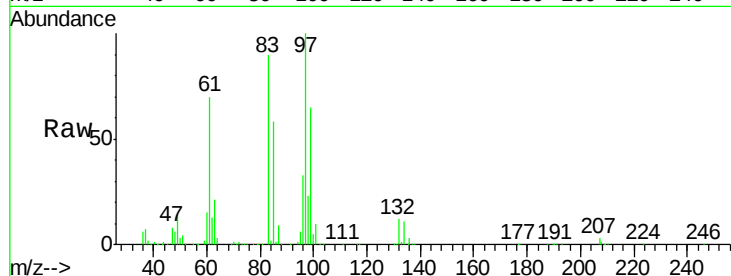
MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 107808

Ion	Ratio	Lower	Upper
97	100		
83	90.2	65.0	97.6
85	57.8	46.0	69.0
99	64.5	51.1	76.7

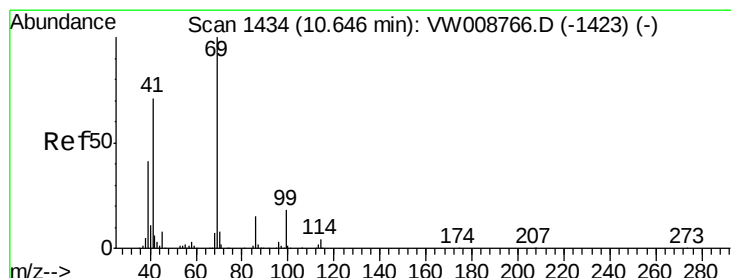
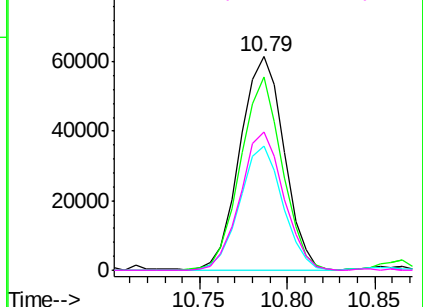
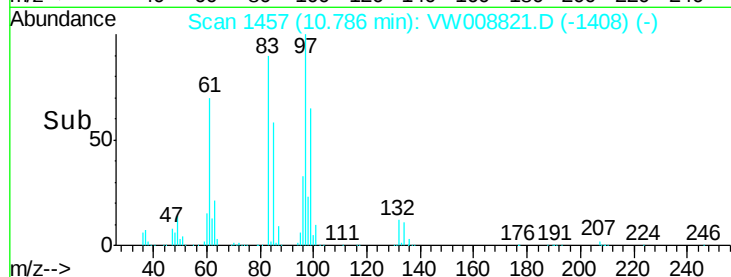


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 48.845 ug/l

RT: 10.65 min Scan# 1434

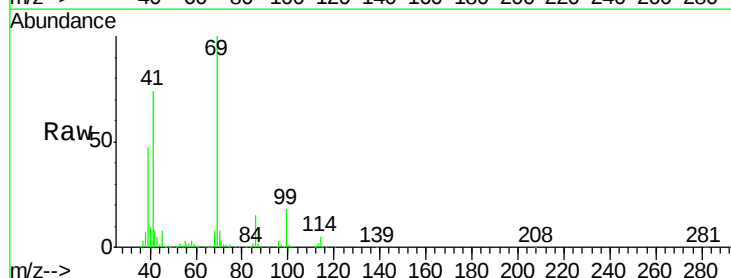
Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Tgt Ion: 69 Resp: 140706

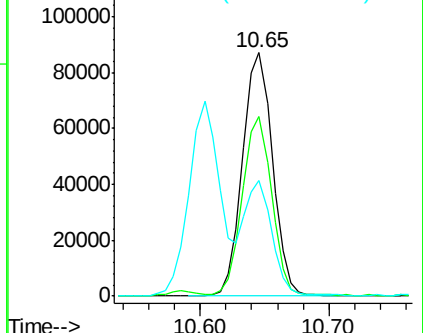
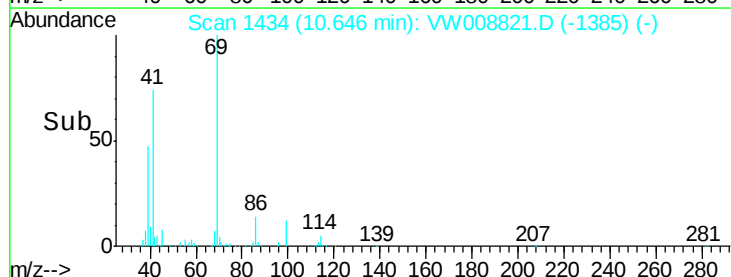
Ion	Ratio	Lower	Upper
69	100		
41	71.7	57.4	86.0
39	41.9	34.8	52.2

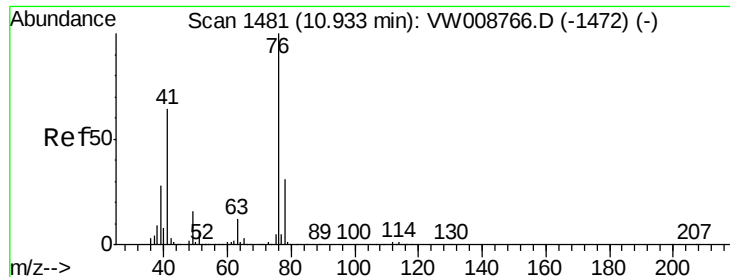


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

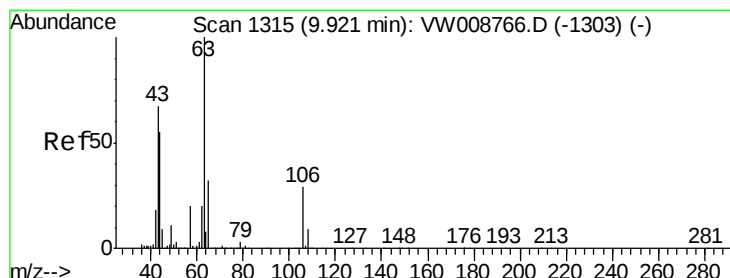
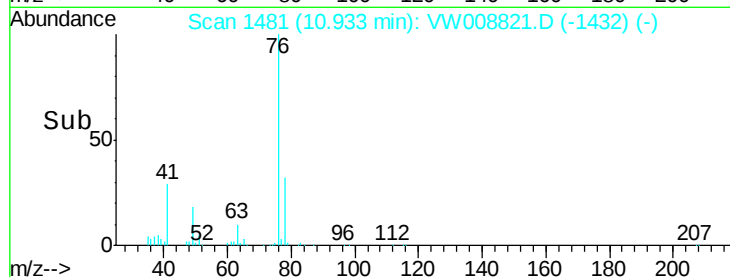
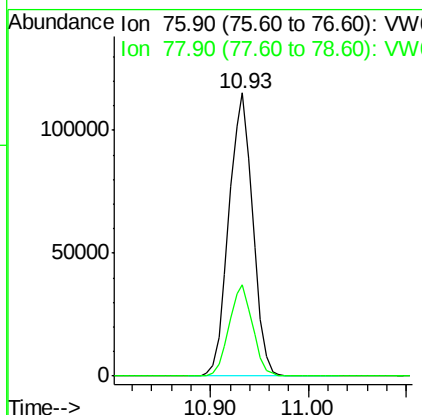
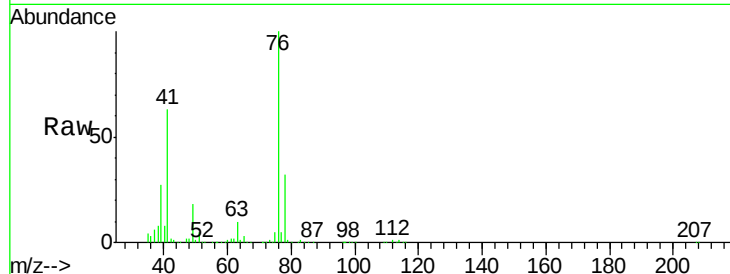




#57
 1,3-Dichloropropane
 Concen: 49.745 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008821.D
 Acq: 26 Feb 2019 10:38

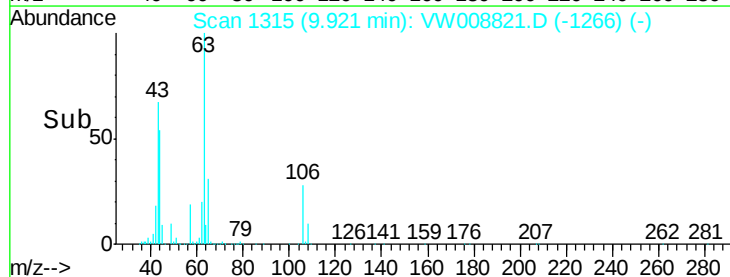
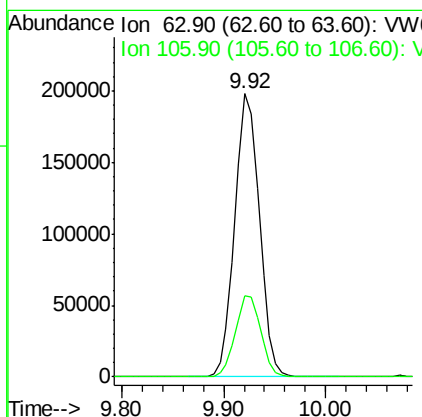
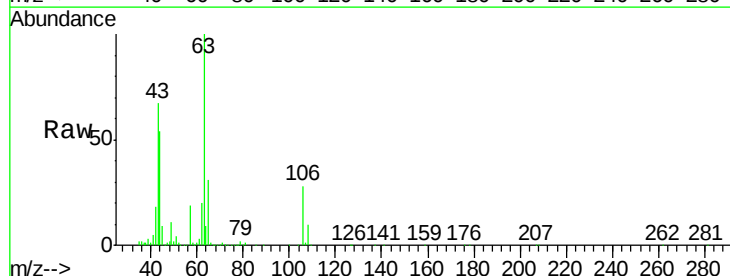
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

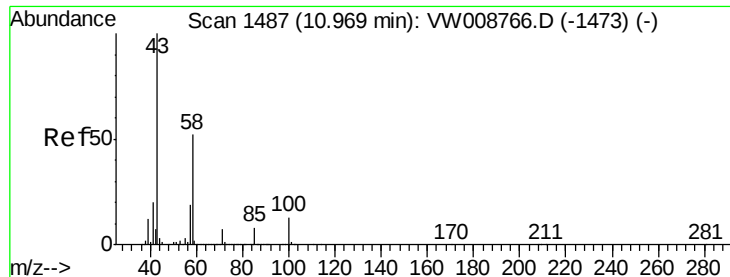
Tot Ion: 76 Resp: 194742
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 228.727 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW008821.D
 Acq: 26 Feb 2019 10:38

Tgt Ion: 63 Resp: 331383
 Ion Ratio Lower Upper
 63 100
 106 29.3 24.0 36.0

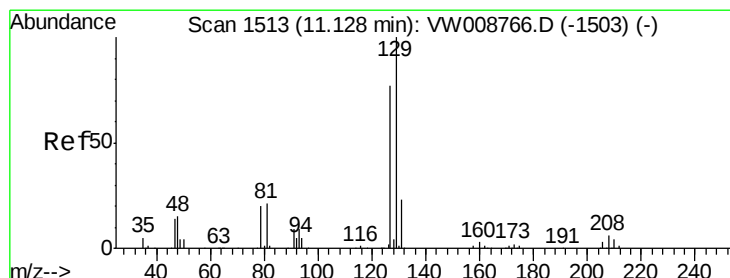
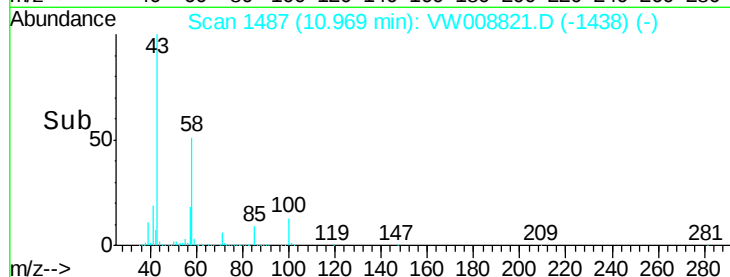
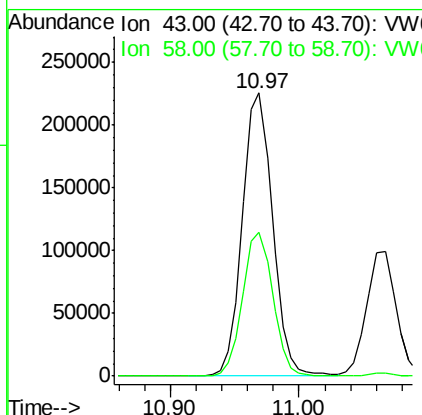
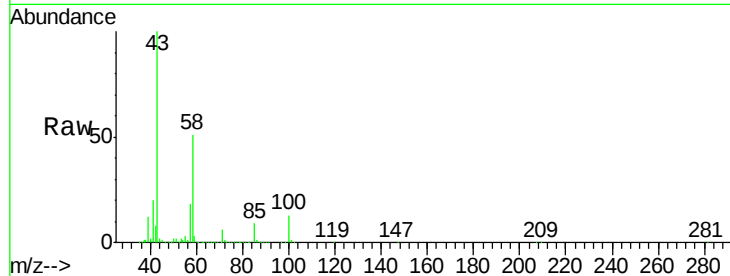




#59
2-Hexanone
Concen: 250.406 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

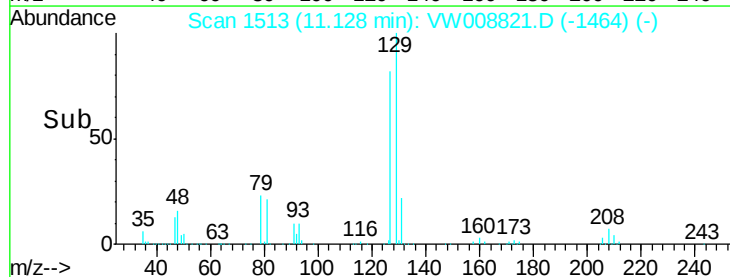
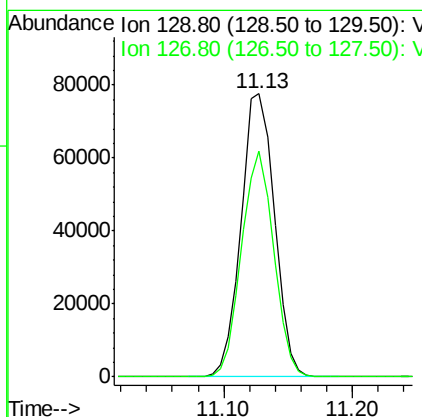
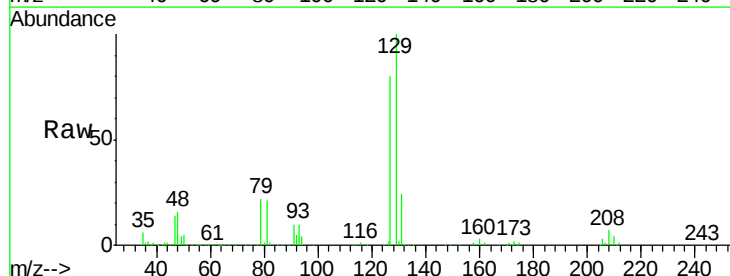
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

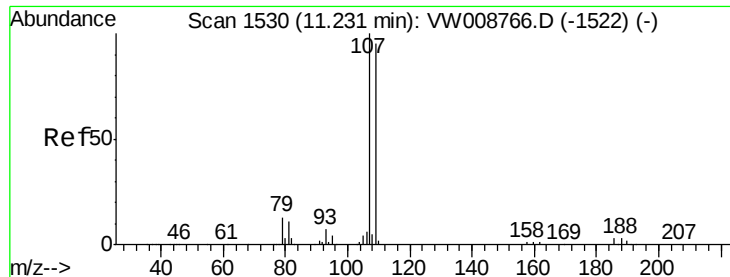
Tot Ion: 43 Resp: 365897
Ion Ratio Lower Upper
43 100
58 51.2 25.3 75.8



#60
Dibromochloromethane
Concen: 51.601 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Tgt Ion: 129 Resp: 139550
Ion Ratio Lower Upper
129 100
127 76.7 39.0 116.9





#61

1,2-Dibromoethane

Concen: 48.853 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

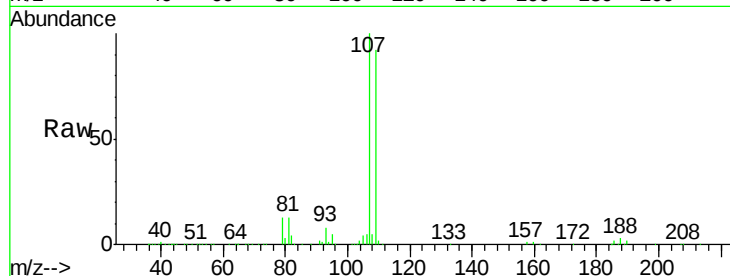
VSTDCCC050

Tot Ion:107 Resp: 107219

Ion Ratio Lower Upper

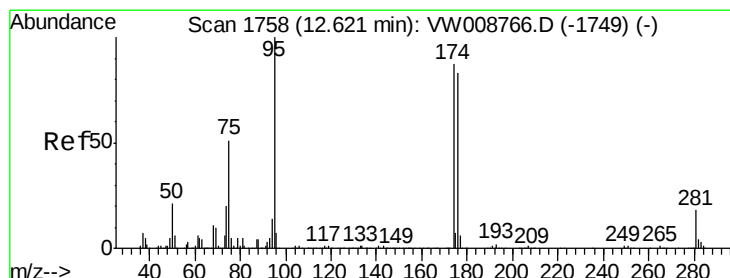
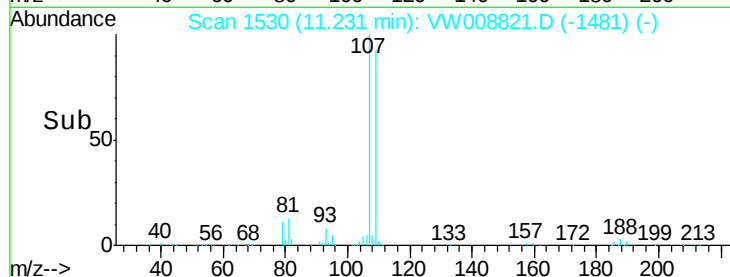
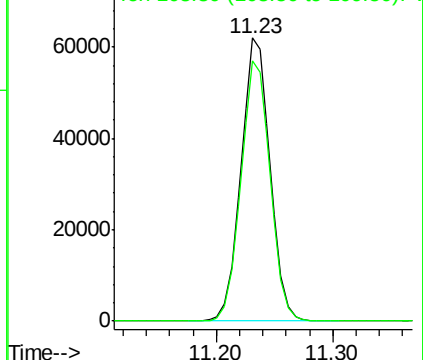
107 100

109 92.9 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 55.428 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

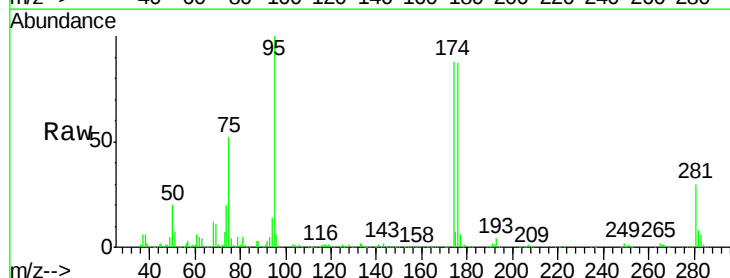
Tgt Ion: 95 Resp: 225113

Ion Ratio Lower Upper

95 100

174 86.7 0.0 169.2

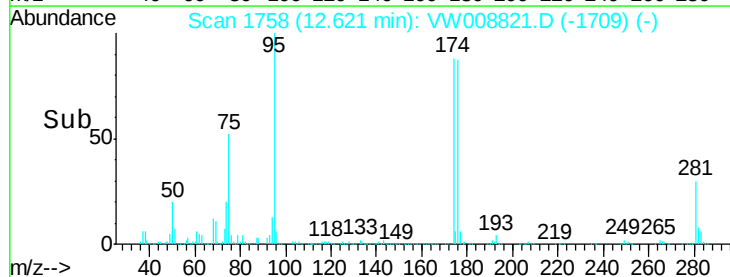
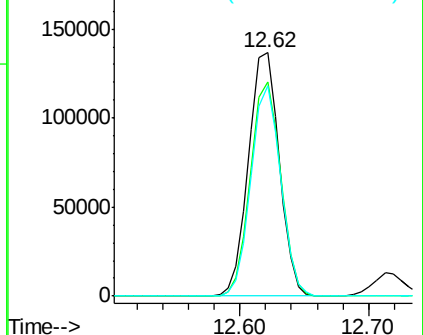
176 83.5 0.0 163.6

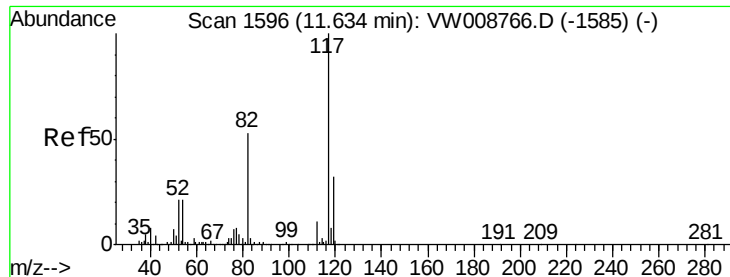


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

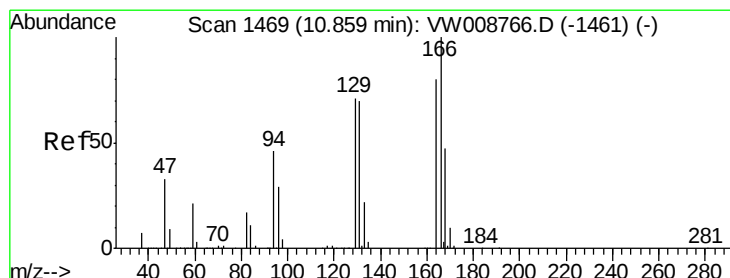
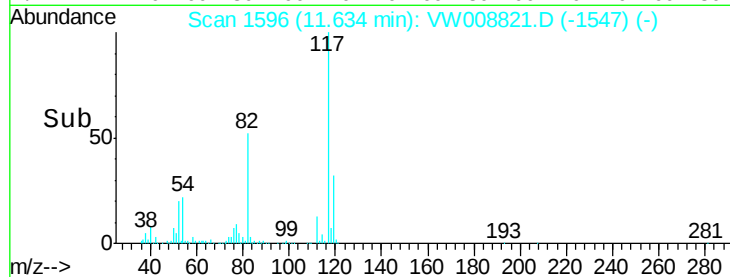
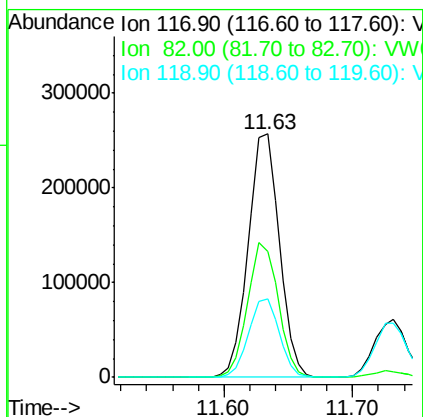
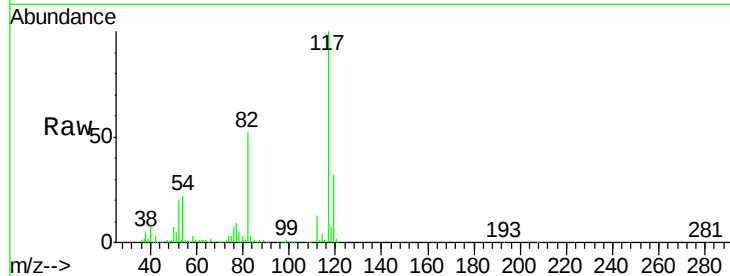




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

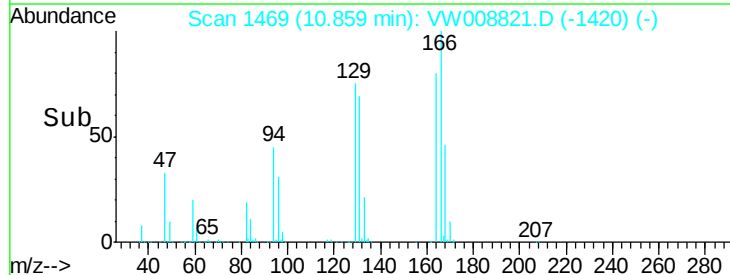
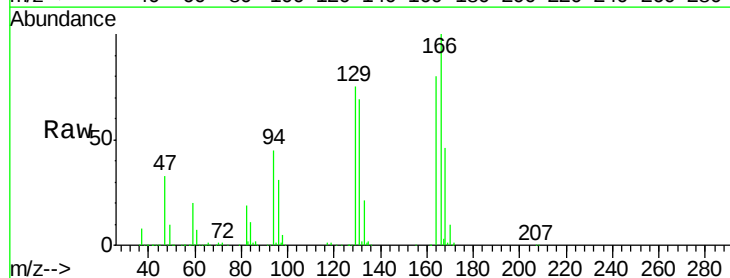
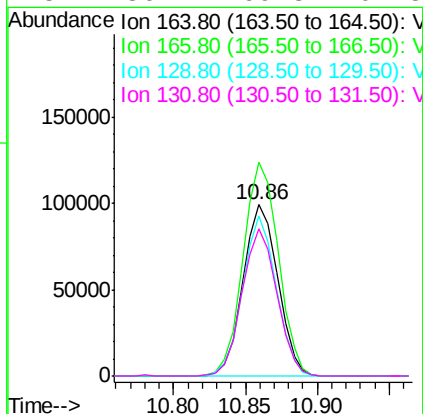
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

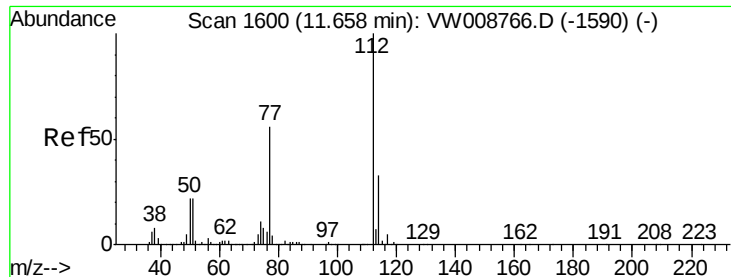
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	42.2	63.4
119	32.0	25.9	38.9



#64
Tetrachloroethene
Concen: 54.064 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.7	99.5	149.3
129	93.4	71.1	106.7
131	86.2	69.8	104.8





#65

Chlorobenzene

Concen: 53.467 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

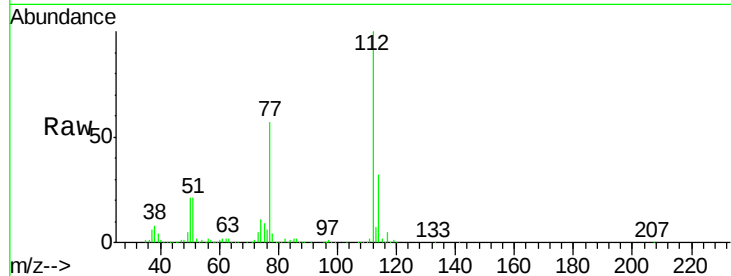
VSTDCCC050

Tot Ion:112 Resp: 481394

Ion Ratio Lower Upper

112 100

114 32.0 26.6 40.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

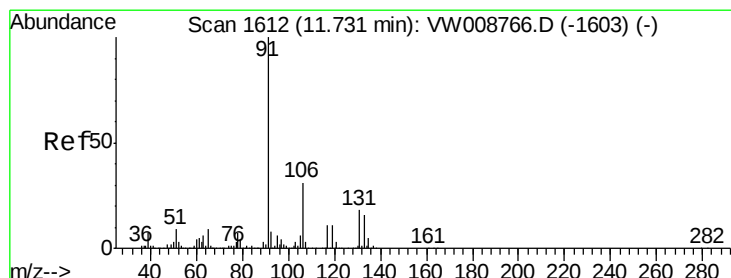
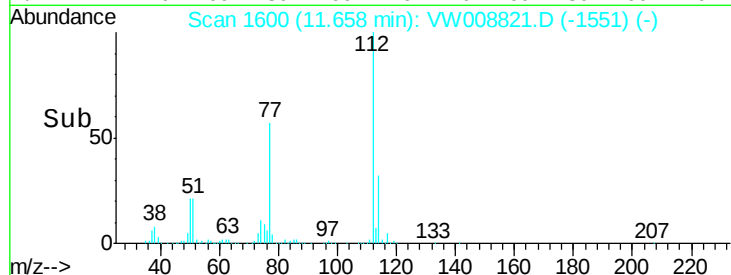
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 51.591 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

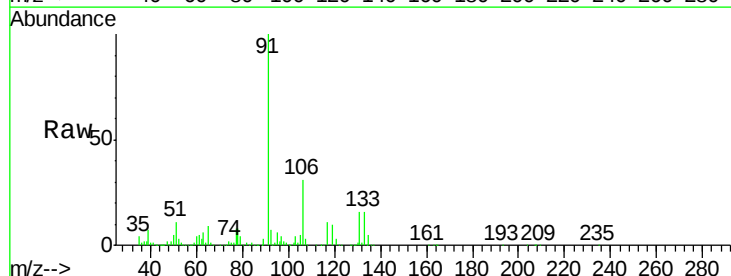
Tgt Ion:131 Resp: 157058

Ion Ratio Lower Upper

131 100

133 95.8 46.7 140.0

119 63.2 30.8 92.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.73

120000

100000

80000

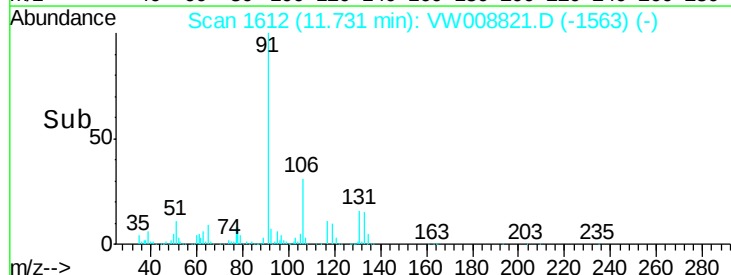
60000

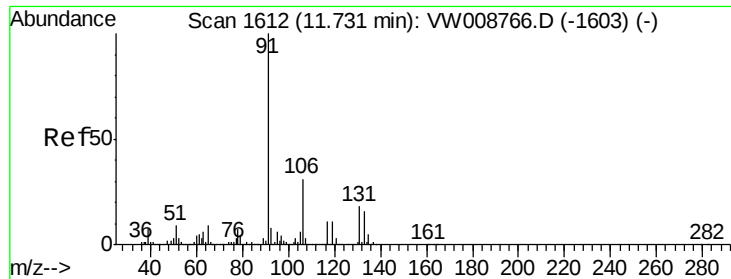
40000

20000

0

Time-->

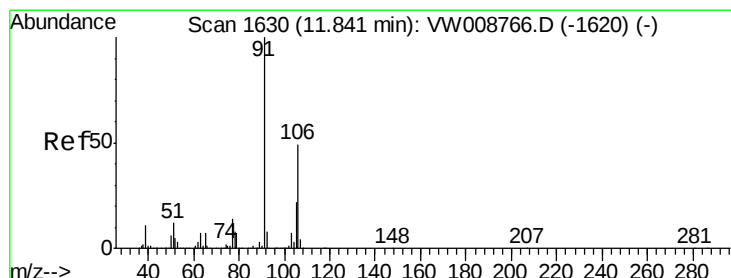
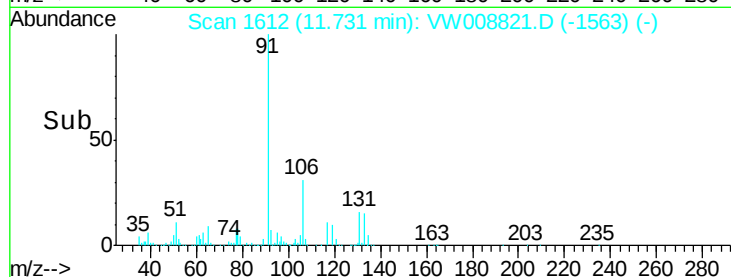
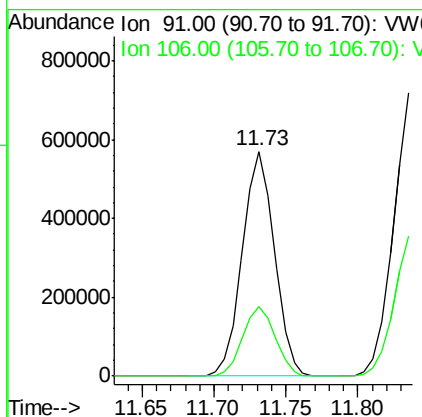
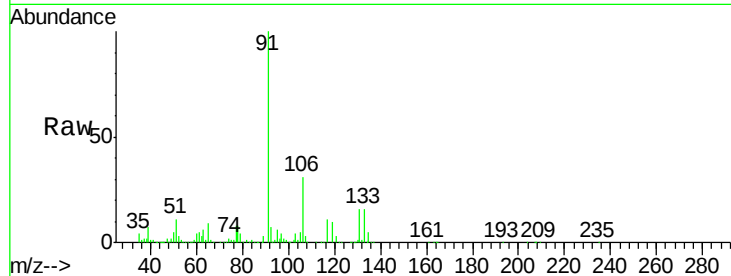




#67
Ethyl Benzene
Concen: 54.742 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

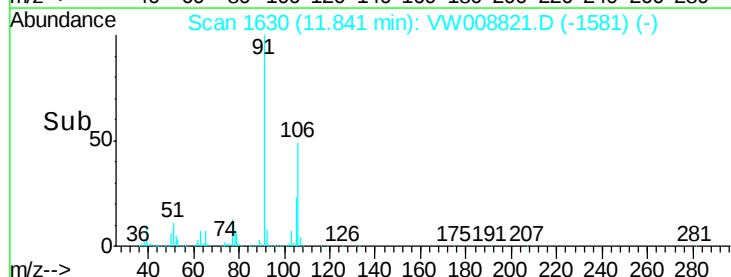
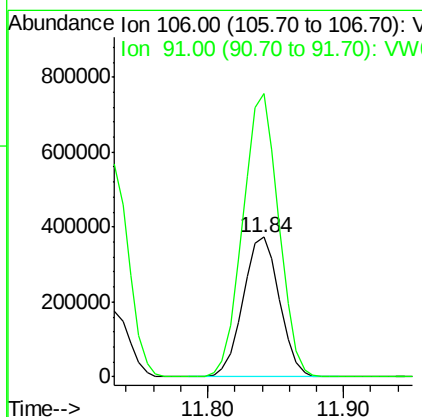
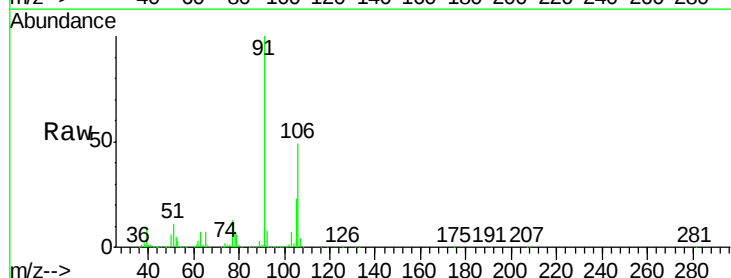
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

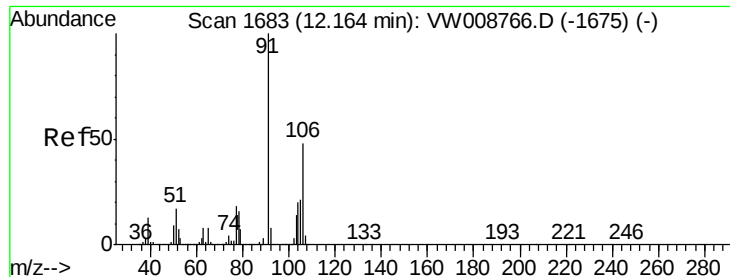
Tot Ion: 91 Resp: 881081
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.6



#68
m/p-Xylenes
Concen: 108.483 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Tgt Ion: 106 Resp: 697640
Ion Ratio Lower Upper
106 100
91 200.0 161.5 242.3

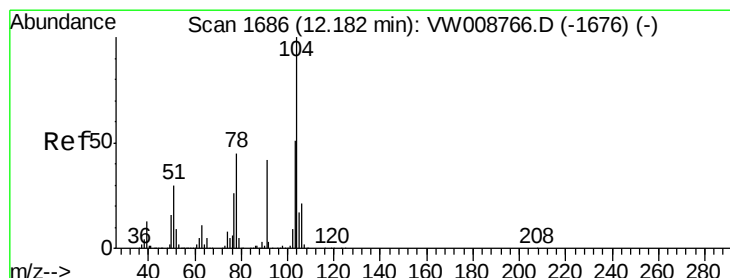
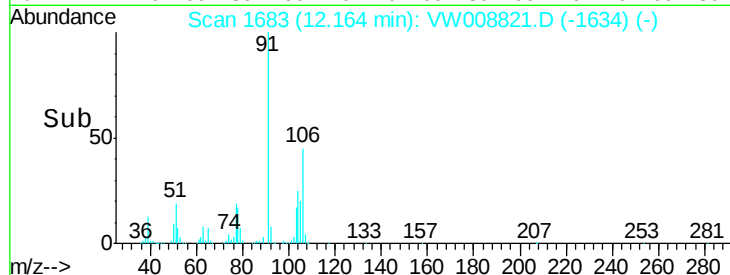
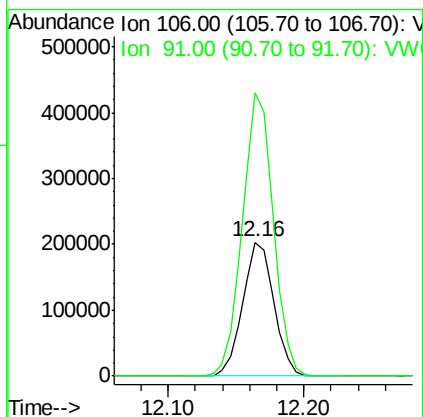
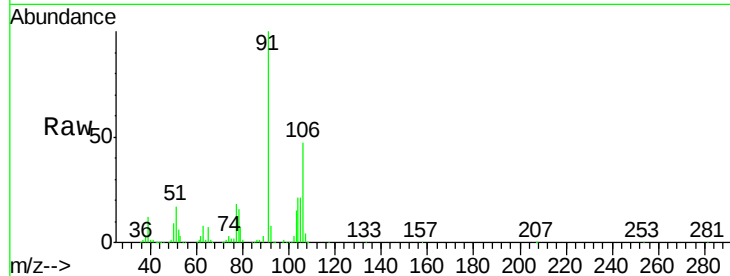




#69
o-Xylene
Concen: 54.022 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

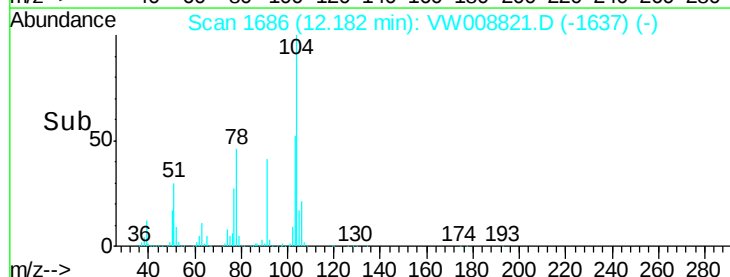
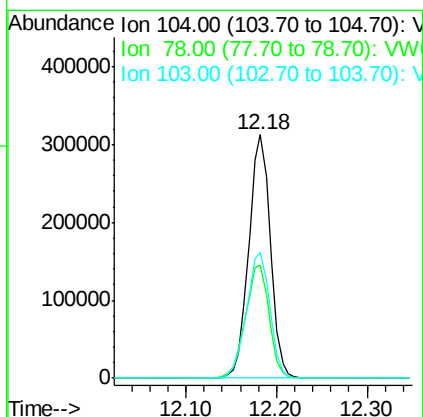
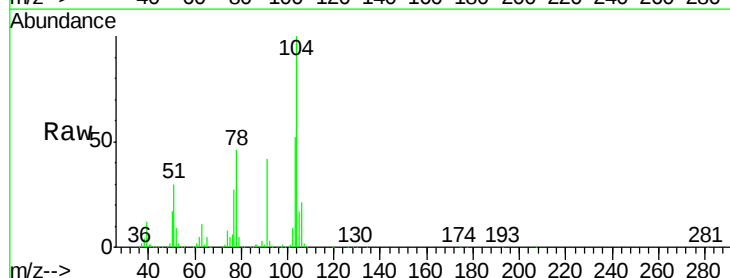
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

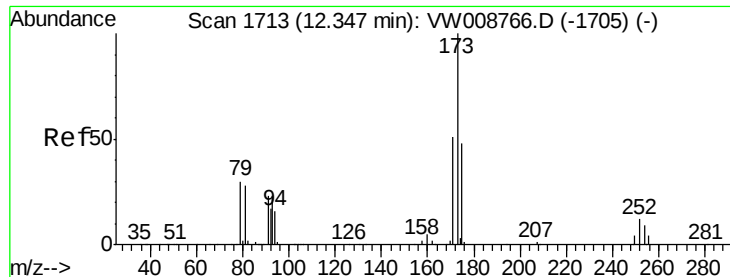
Tot Ion:106 Resp: 326081
Ion Ratio Lower Upper
106 100
91 209.9 106.2 318.6



#70
Styrene
Concen: 53.081 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Tgt Ion:104 Resp: 515468
Ion Ratio Lower Upper
104 100
78 50.9 40.8 61.2
103 55.9 44.2 66.2





#71

Bromoform

Concen: 49.616 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

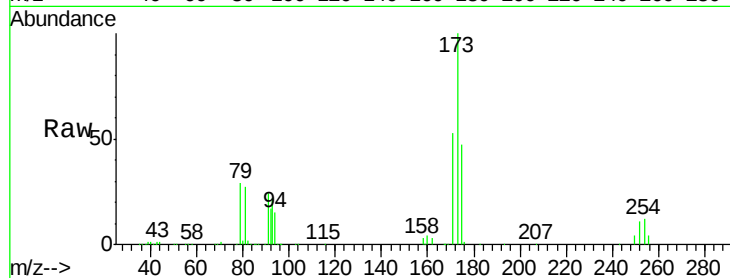
Tot Ion:173 Resp: 81192

Ion Ratio Lower Upper

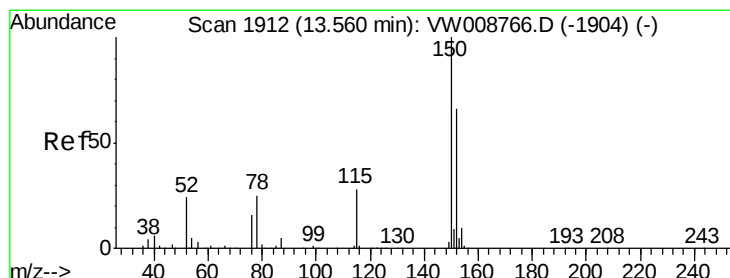
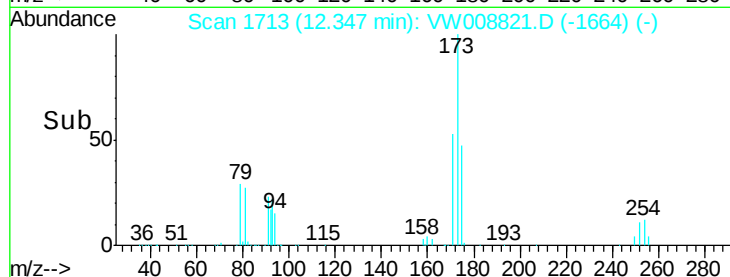
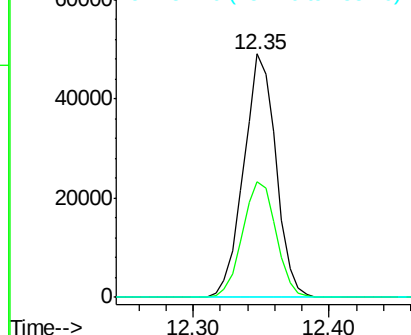
173 100

175 49.5 24.2 72.6

254 0.0 0.2 0.4#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

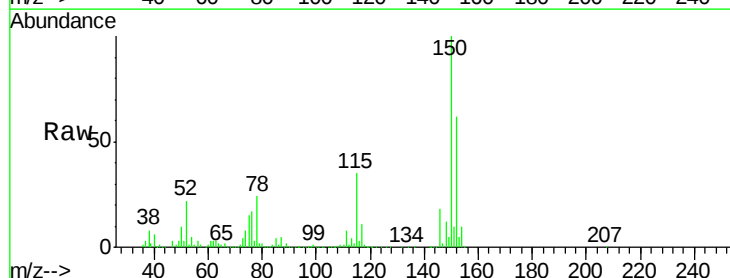
Tgt Ion:152 Resp: 228546

Ion Ratio Lower Upper

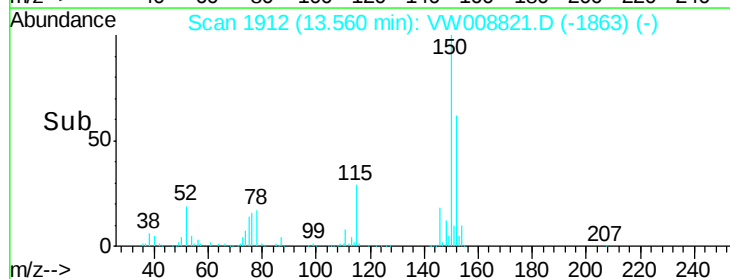
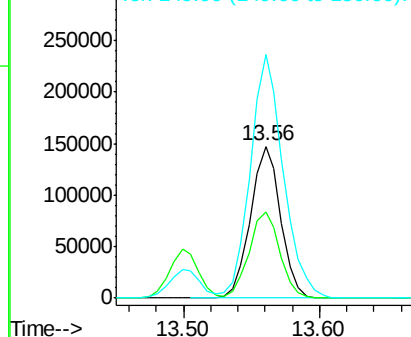
152 100

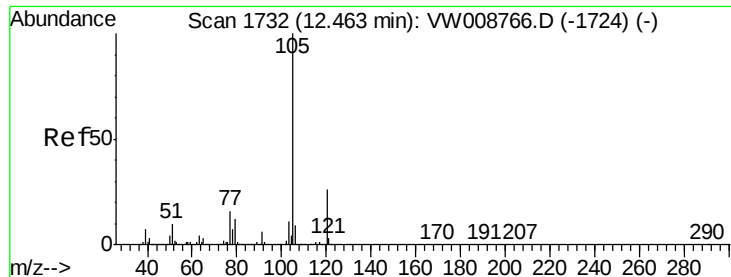
115 57.8 28.6 85.8

150 175.0 0.0 348.0



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





#73

Isopropylbenzene

Concen: 57.033 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

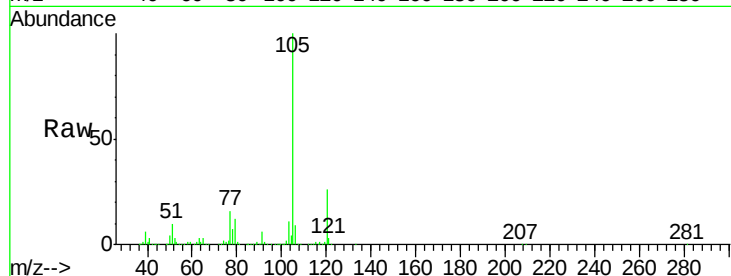
VSTDCCC050

Tot Ion:105 Resp: 893581

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

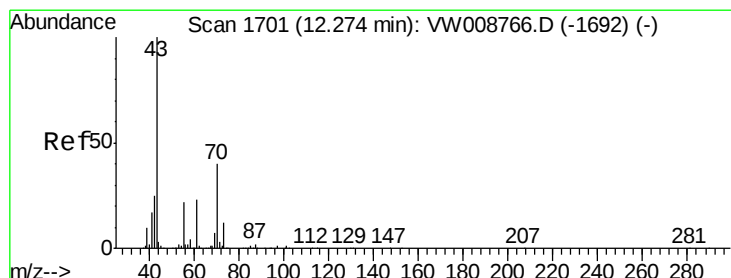
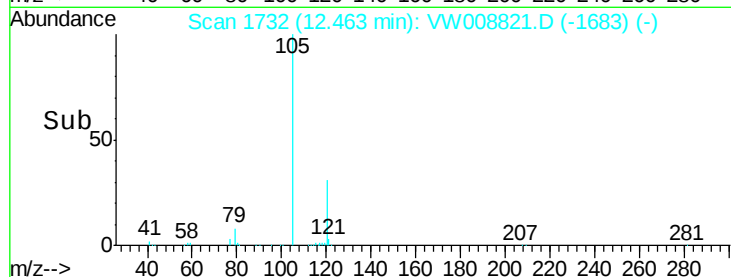
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 46.300 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Tgt Ion: 43 Resp: 182728

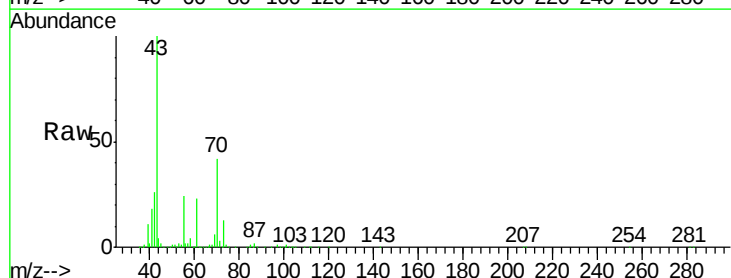
Ion Ratio Lower Upper

43 100

70 41.1 31.0 46.6

55 24.5 18.7 28.1

61 22.1 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

12.27

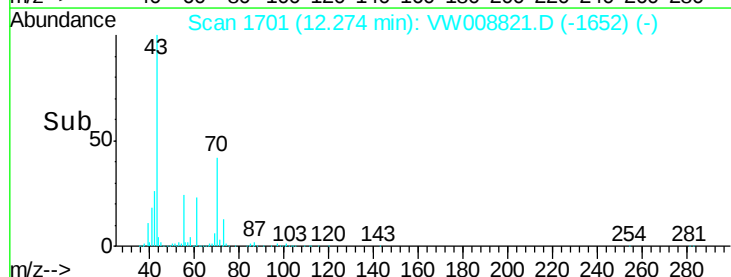
150000

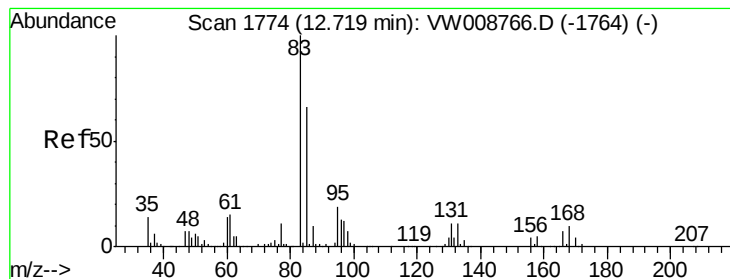
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 48.968 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

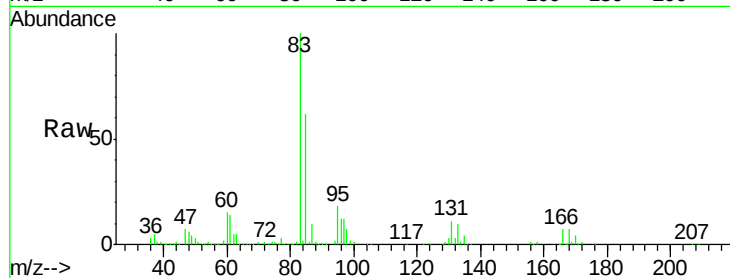
Tot Ion: 83 Resp: 125360

Ion Ratio Lower Upper

83 100

131 11.4 5.5 16.7

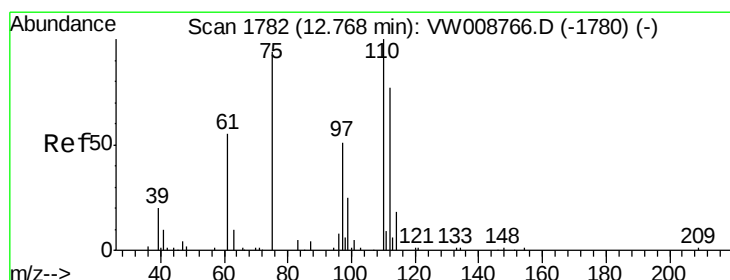
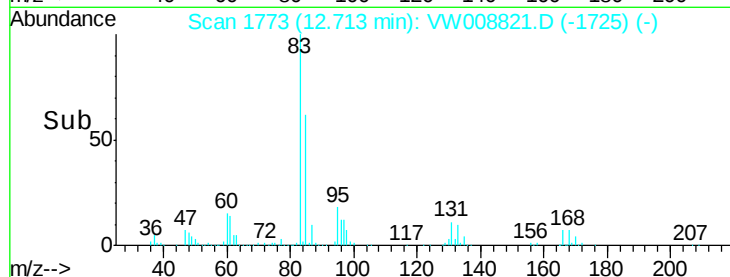
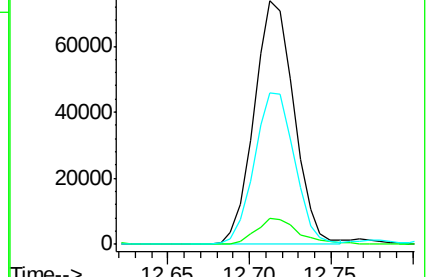
85 62.7 33.0 98.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 93.097 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008821.D

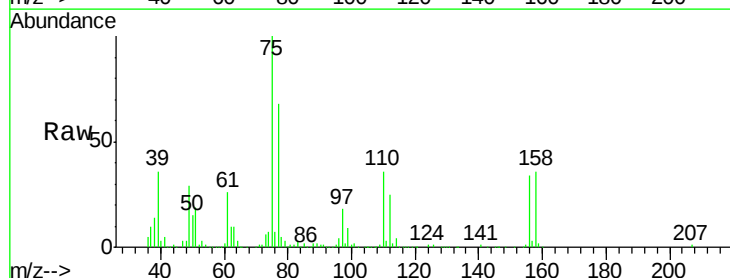
Acq: 26 Feb 2019 10:38

Tgt Ion: 75 Resp: 175670

Ion Ratio Lower Upper

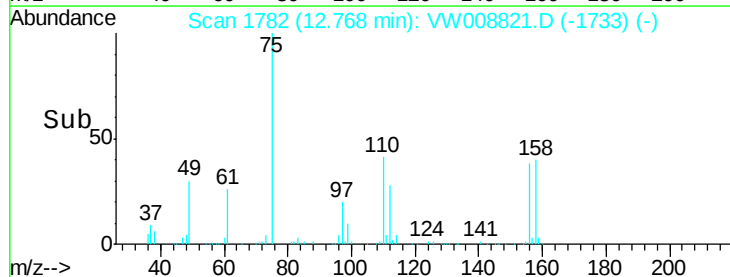
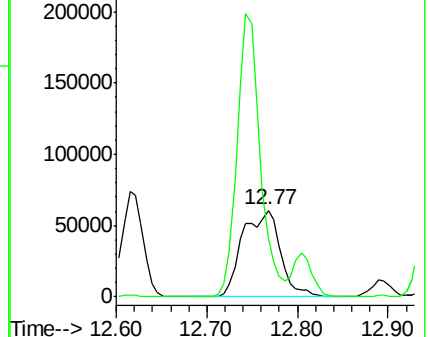
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 54.028 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

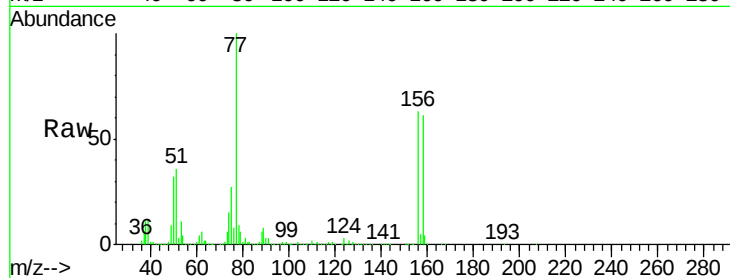
Tot Ion:156 Resp: 200037

Ion Ratio Lower Upper

156 100

77 176.3 89.1 267.4

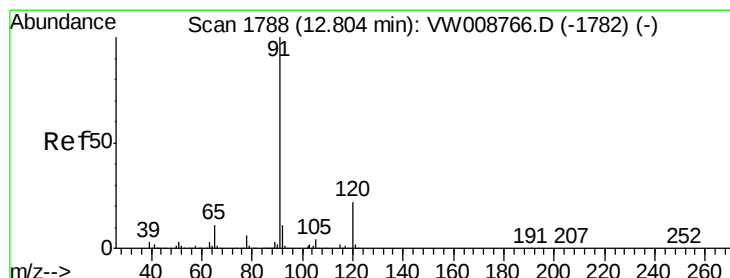
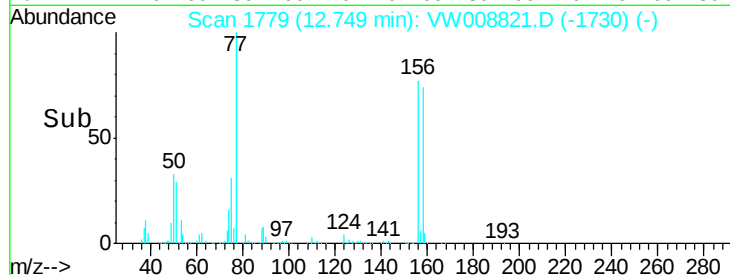
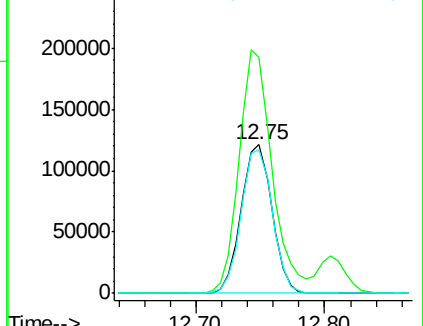
158 98.1 49.2 147.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 56.844 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW008821.D

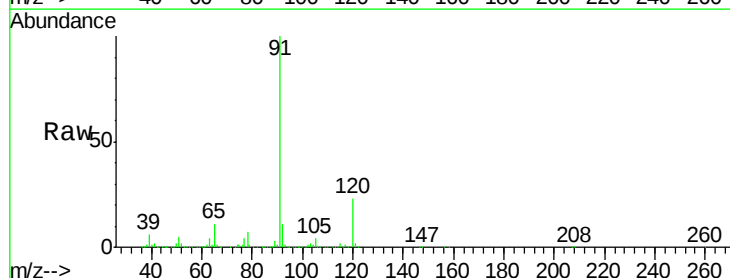
Acq: 26 Feb 2019 10:38

Tgt Ion: 91 Resp: 1089425

Ion Ratio Lower Upper

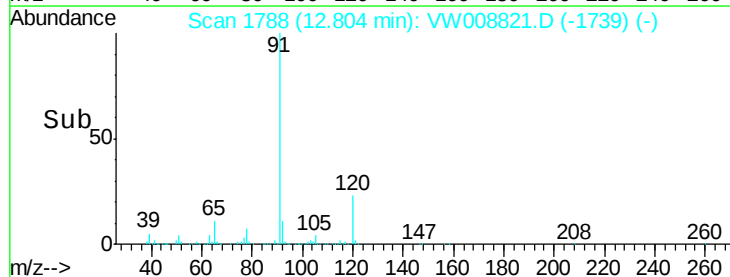
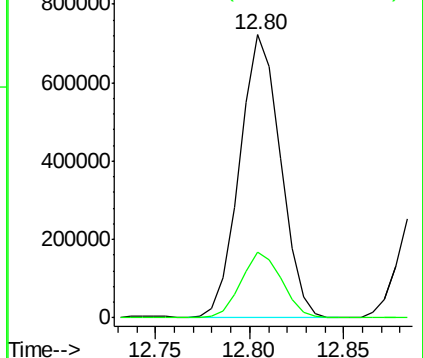
91 100

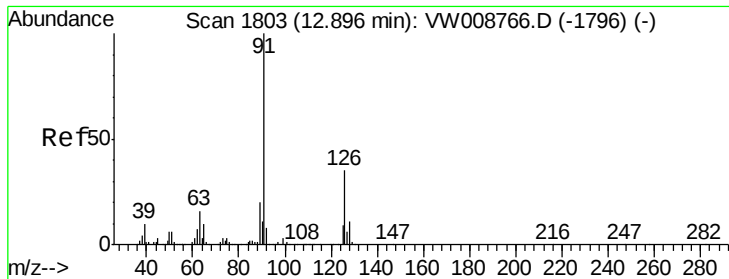
120 23.1 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.303 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

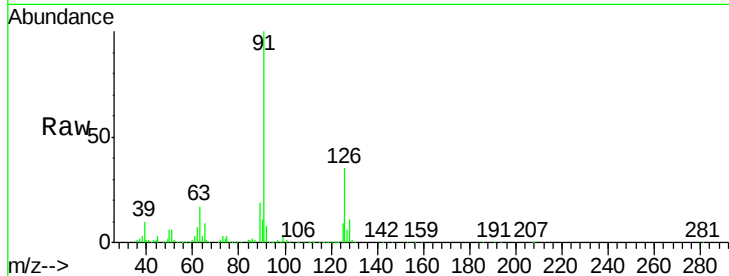
VSTDCCC050

Tot Ion: 91 Resp: 601763

Ion Ratio Lower Upper

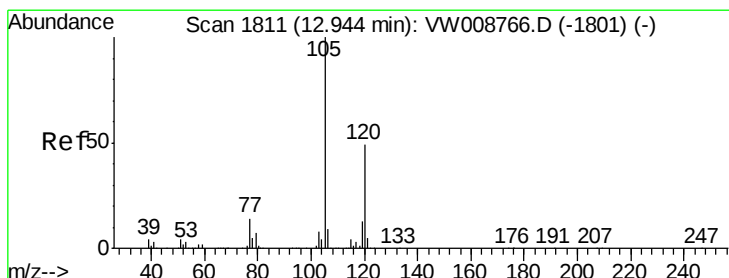
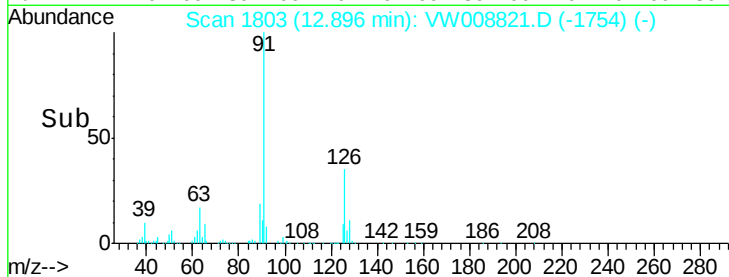
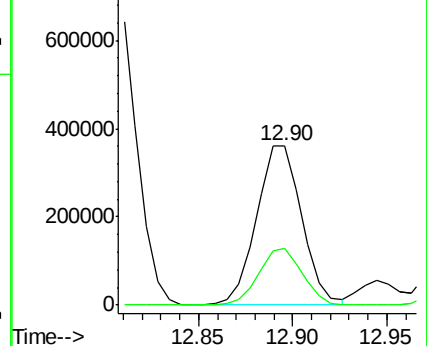
91 100

126 34.4 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 55.605 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008821.D

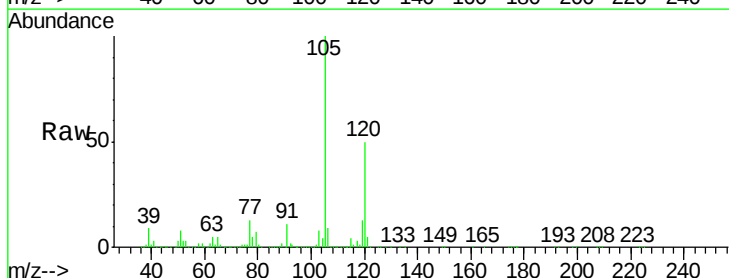
Acq: 26 Feb 2019 10:38

Tgt Ion:105 Resp: 757093

Ion Ratio Lower Upper

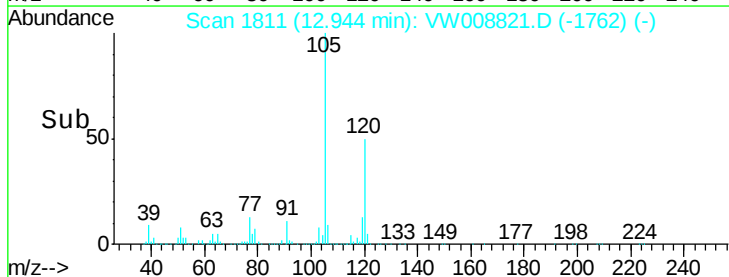
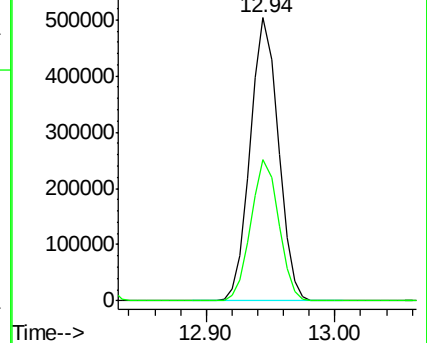
105 100

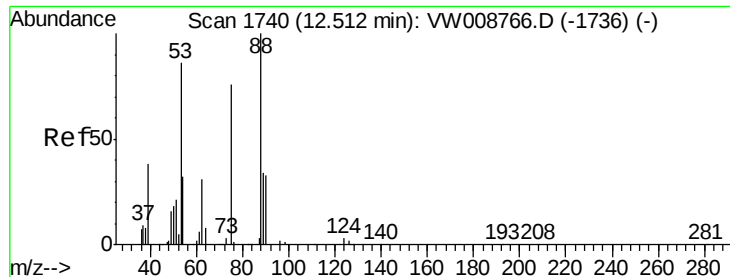
120 49.5 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 51.590 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

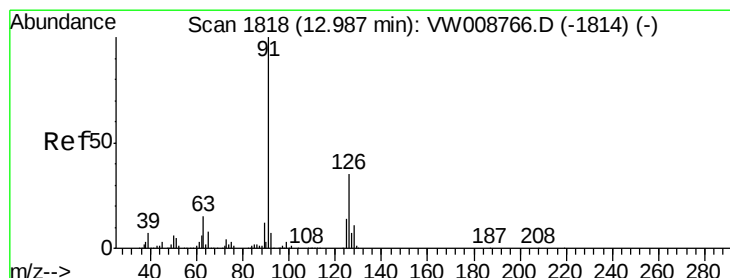
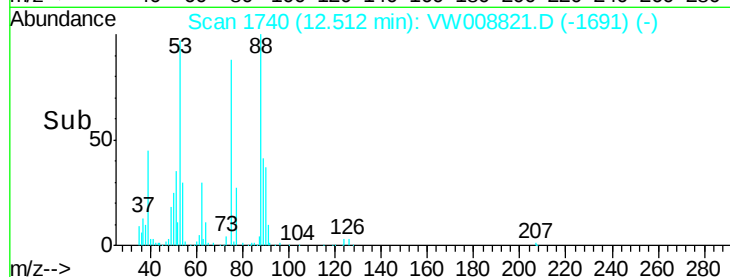
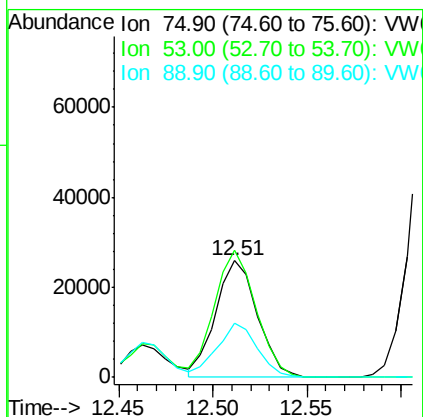
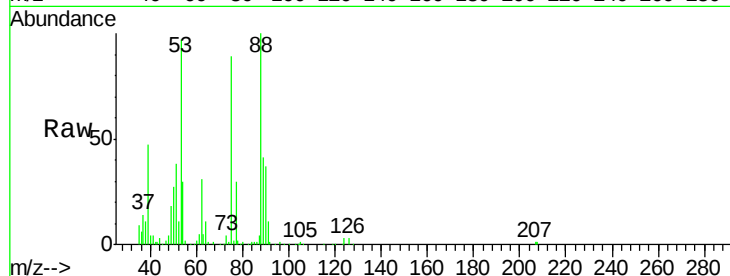
Tot Ion: 75 Resp: 40043

Ion Ratio Lower Upper

75 100

53 107.5 88.2 132.2

89 44.8 39.5 59.3



#82

4-Chlorotoluene

Concen: 54.945 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW008821.D

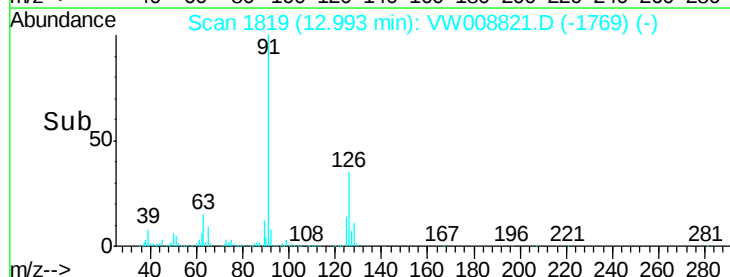
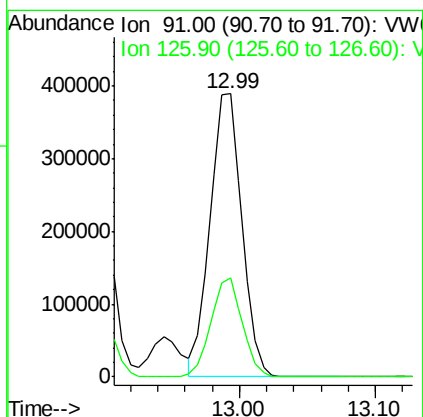
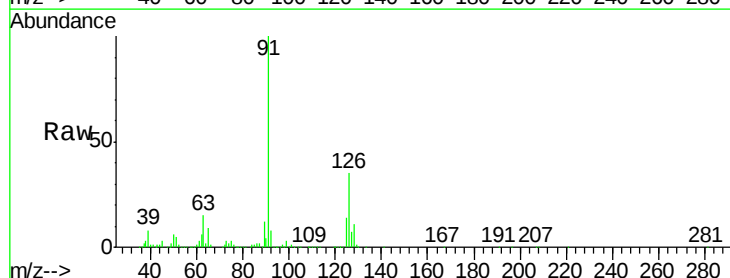
Acq: 26 Feb 2019 10:38

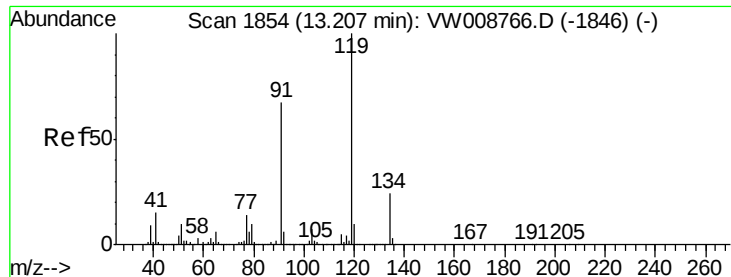
Tgt Ion: 91 Resp: 630037

Ion Ratio Lower Upper

91 100

126 34.4 17.2 51.6

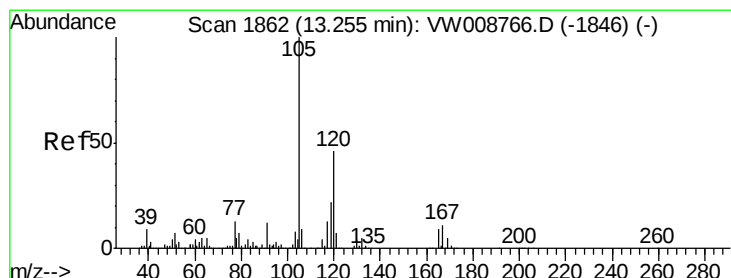
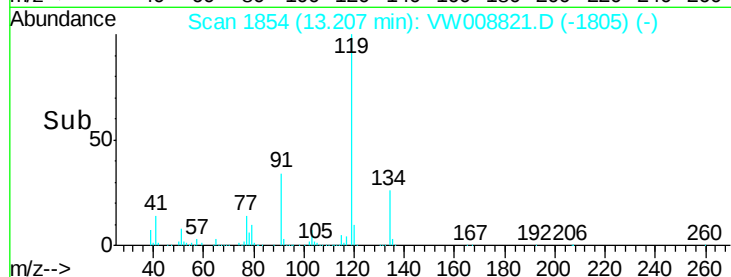
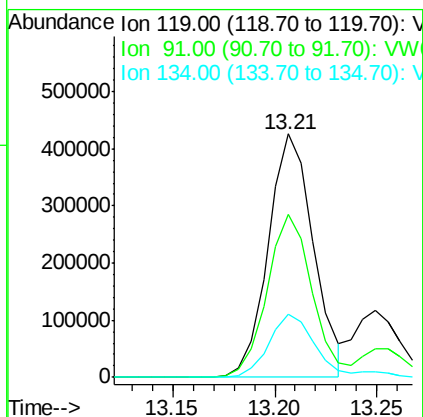
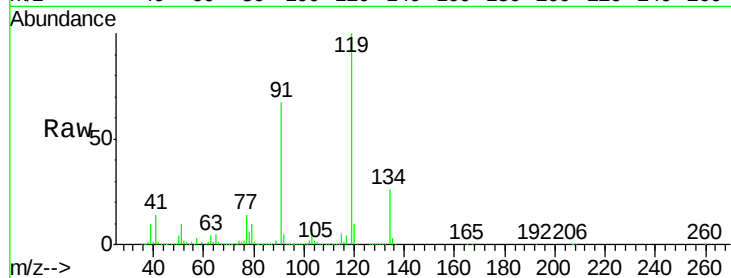




#83
tert-Butylbenzene
Concen: 56.067 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

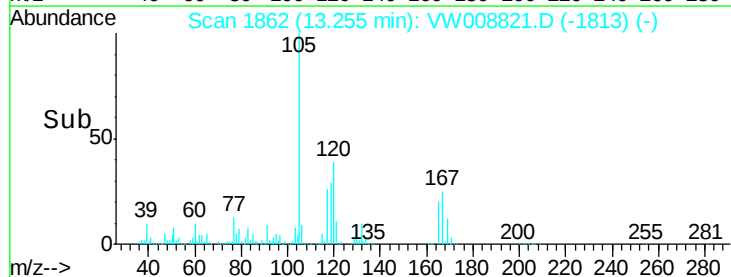
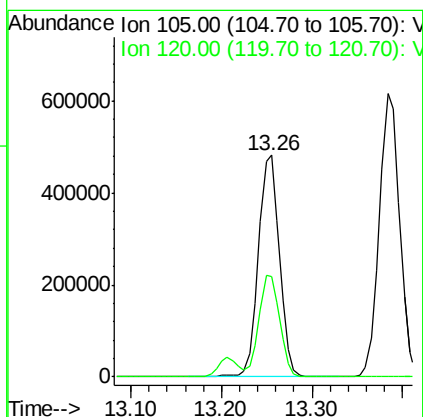
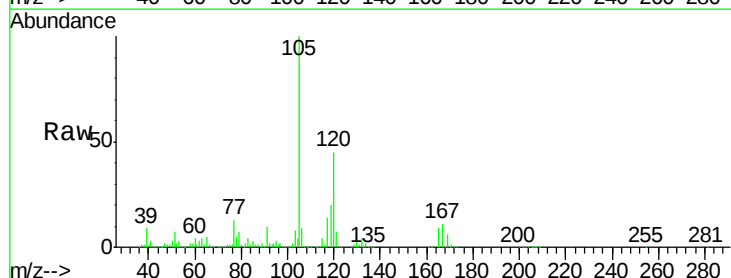
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

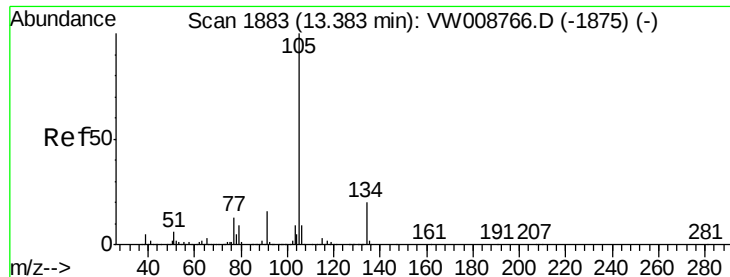
Tot Ion:119 Resp: 660066
Ion Ratio Lower Upper
119 100
91 66.7 33.6 100.8
134 27.6 13.7 41.1



#84
1,2,4-Trimethylbenzene
Concen: 54.721 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Tgt Ion:105 Resp: 771264
Ion Ratio Lower Upper
105 100
120 45.5 22.8 68.4

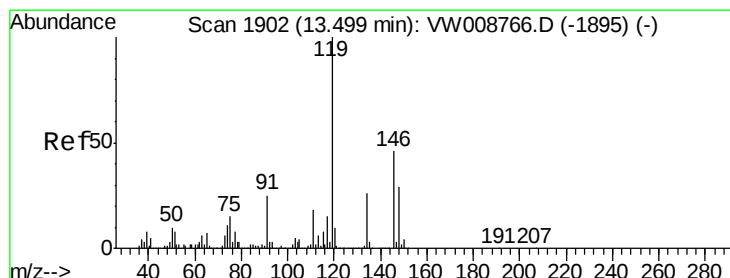
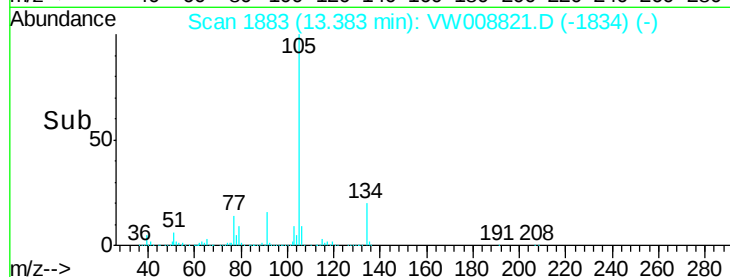
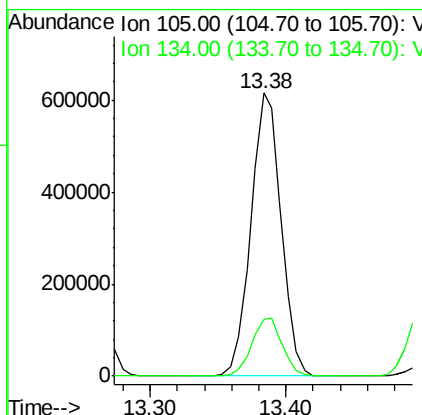
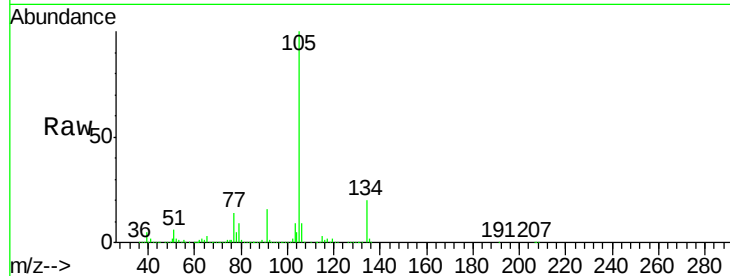




#85
 sec-Butylbenzene
 Concen: 56.432 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW008821.D
 Acq: 26 Feb 2019 10:38

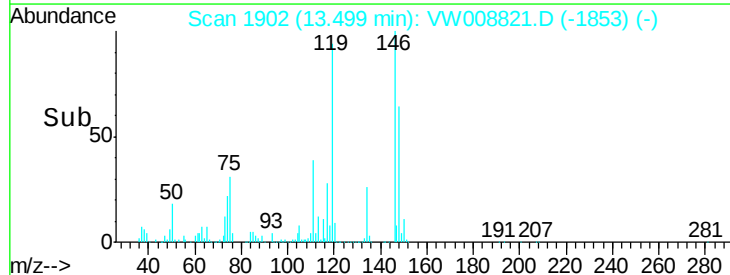
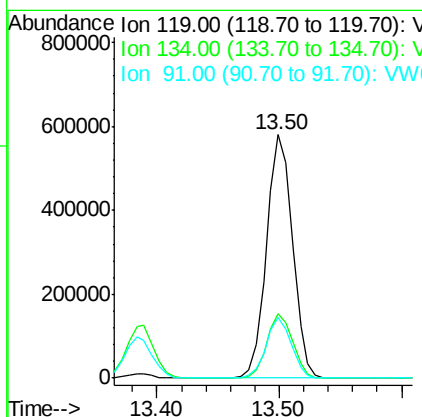
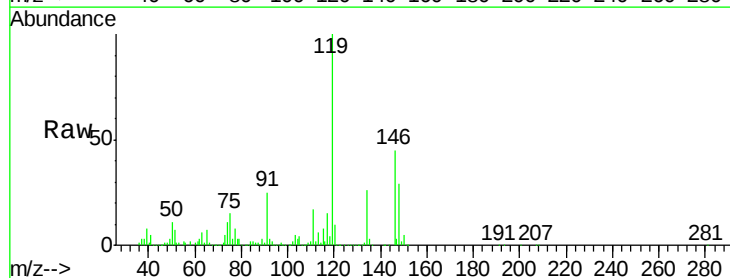
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

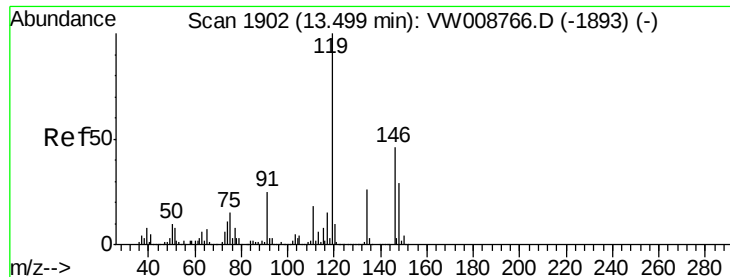
Tot Ion:105 Resp: 955305
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 55.109 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008821.D
 Acq: 26 Feb 2019 10:38

Tgt Ion:119 Resp: 855219
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.1 39.3
 91 24.2 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 54.081 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

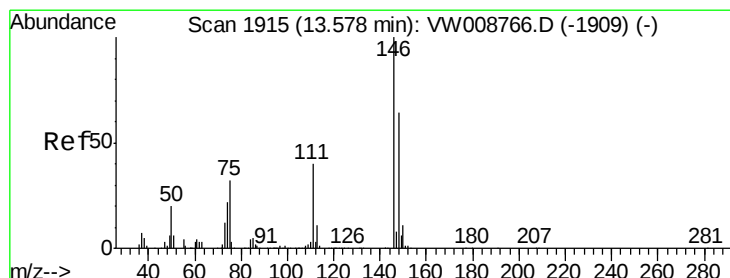
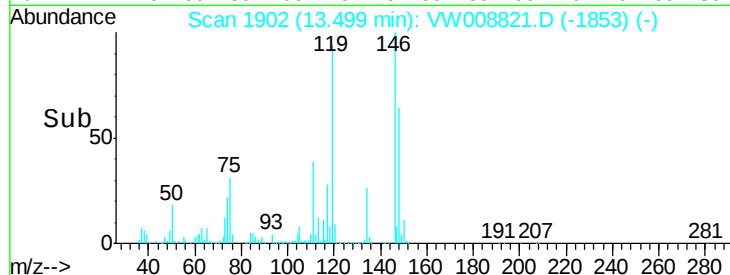
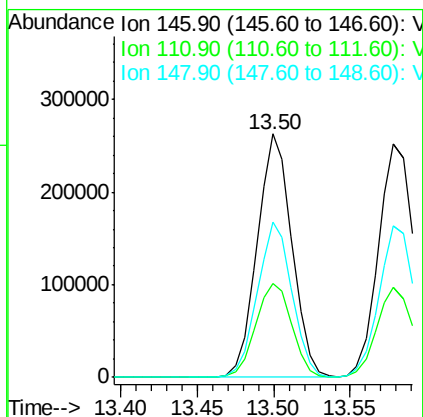
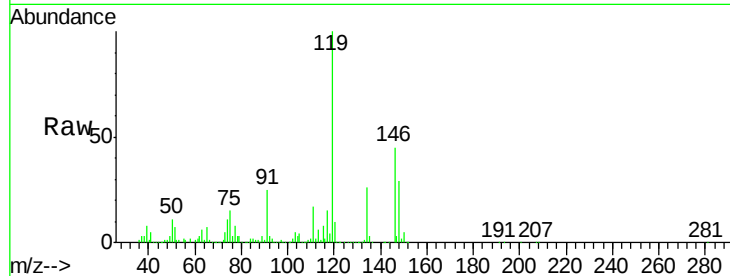
Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:146 Resp: 415439

Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.9	59.7
148	63.4	31.6	94.8



#88

1,4-Dichlorobenzene

Concen: 53.843 ug/l

RT: 13.58 min Scan# 1915

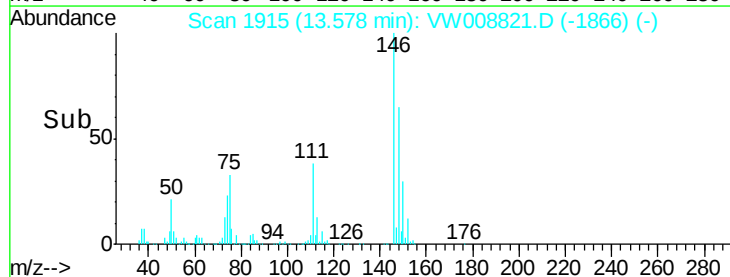
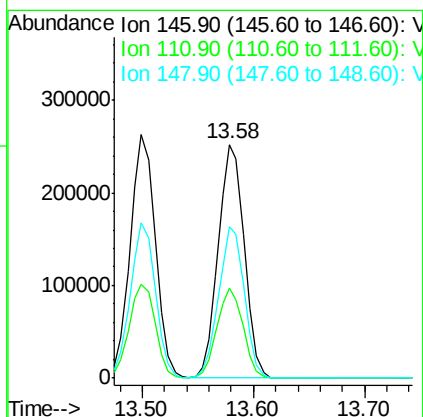
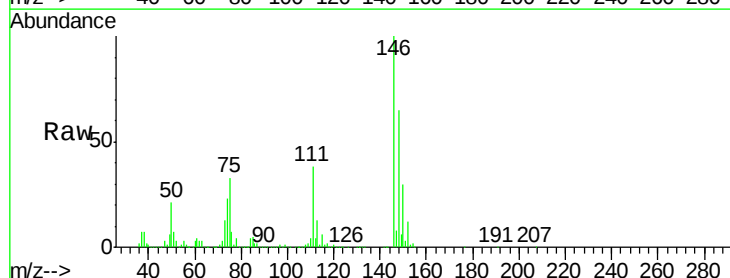
Delta R.T. 0.00 min

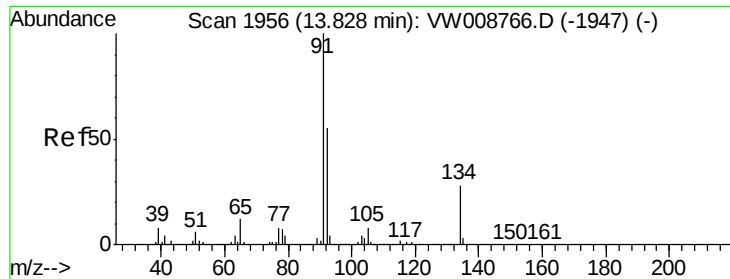
Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Tgt Ion:146 Resp: 407641

Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.3	57.9
148	64.1	31.9	95.9





#89

n-Butylbenzene

Concen: 55.664 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

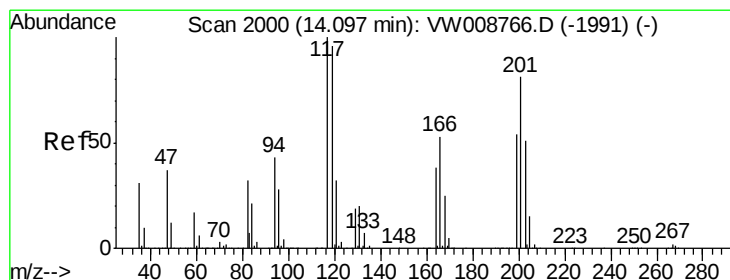
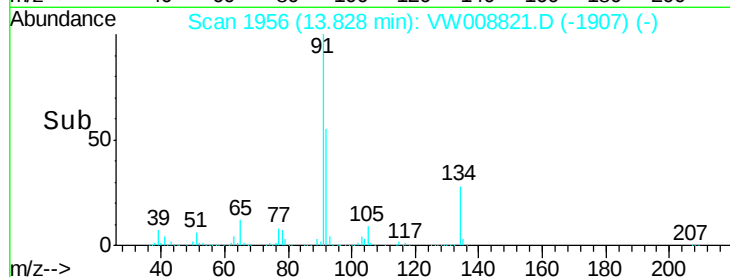
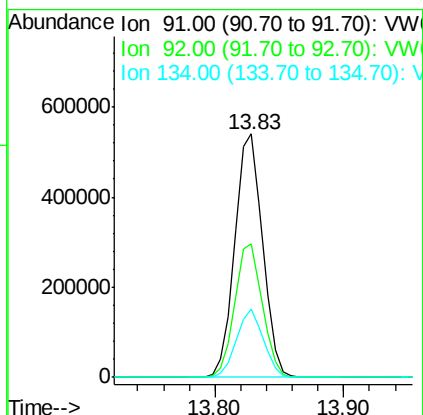
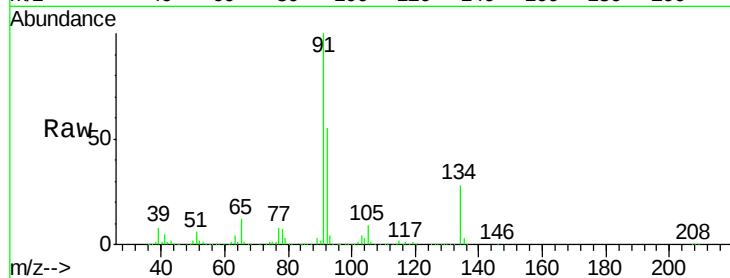
Tot Ion: 91 Resp: 809276

Ion Ratio Lower Upper

91 100

92 54.7 26.8 80.4

134 27.1 13.5 40.4



#90

Hexachloroethane

Concen: 58.385 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008821.D

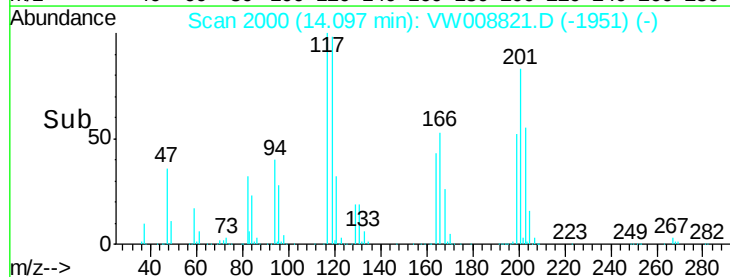
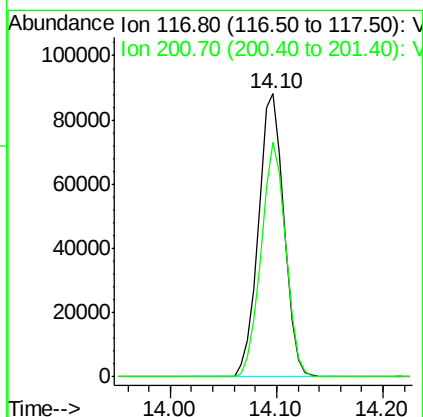
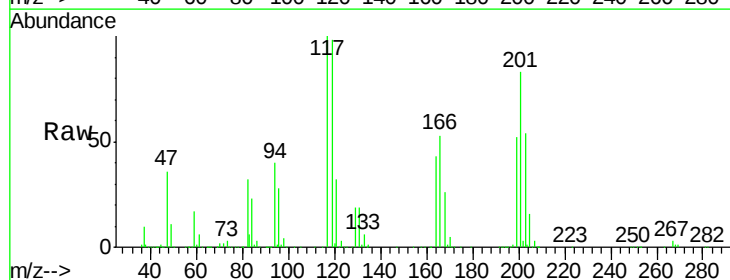
Acq: 26 Feb 2019 10:38

Tgt Ion: 117 Resp: 148326

Ion Ratio Lower Upper

117 100

201 80.1 40.3 120.8





#91

1,2-Dichlorobenzene

Concen: 52.640 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

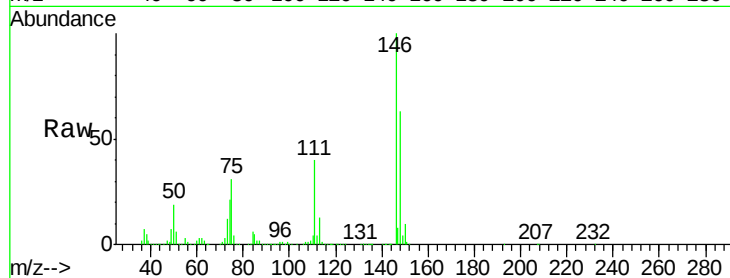
Tot Ion:146 Resp: 360296

Ion Ratio Lower Upper

146 100

111 41.2 20.3 60.8

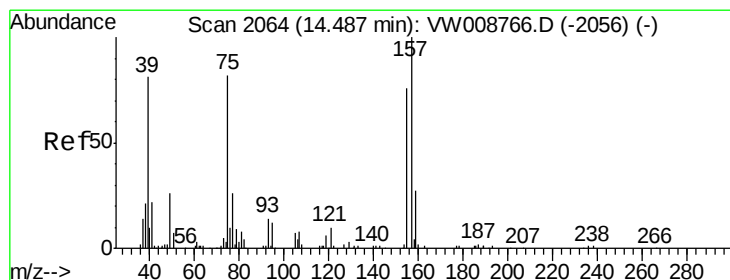
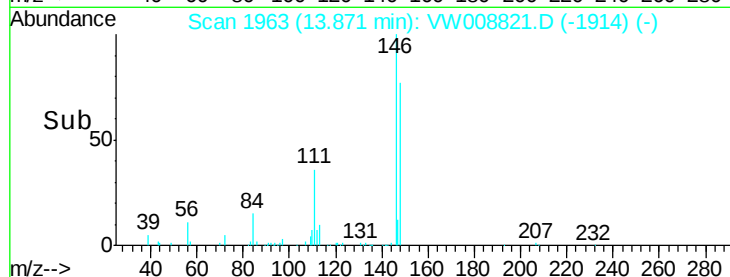
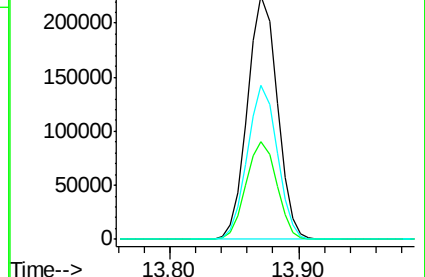
148 63.3 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.435 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW008821.D

Acq: 26 Feb 2019 10:38

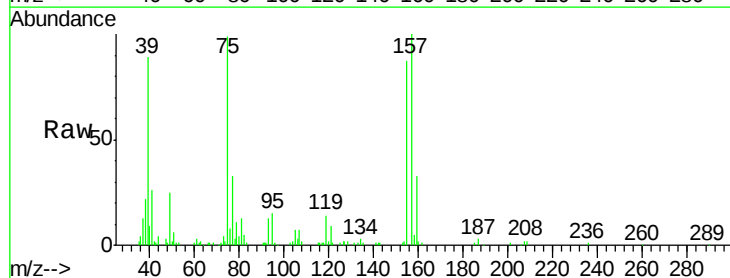
Tgt Ion: 75 Resp: 21504

Ion Ratio Lower Upper

75 100

155 84.9 41.8 125.4

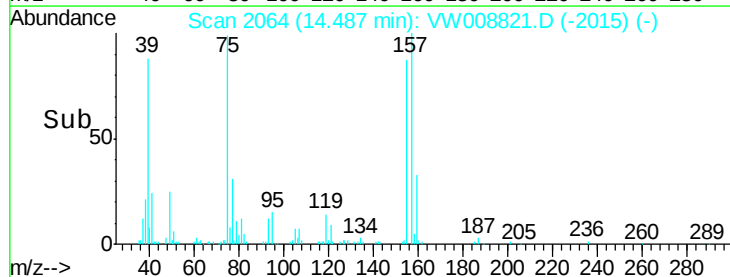
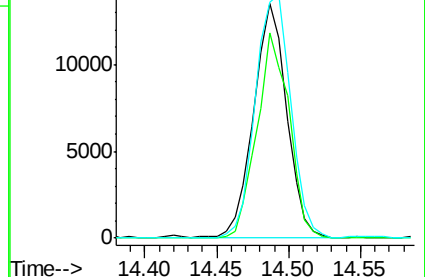
157 110.4 56.6 169.9

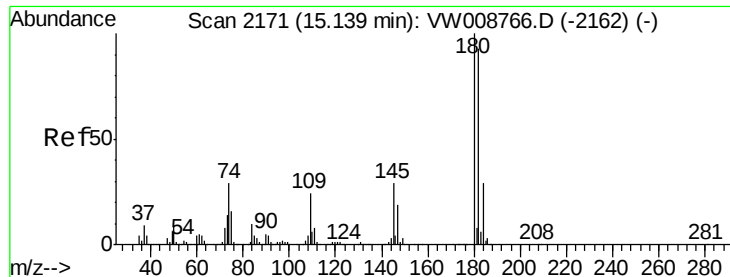


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

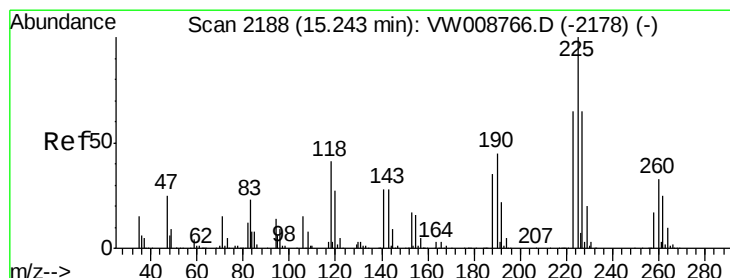
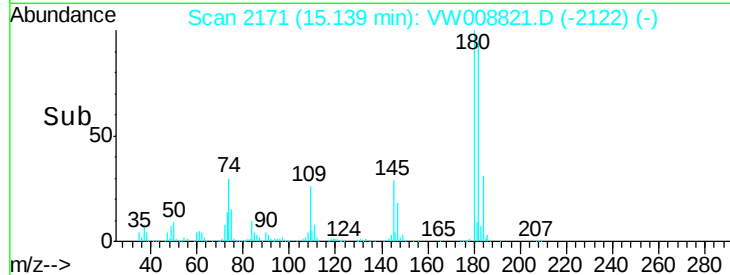
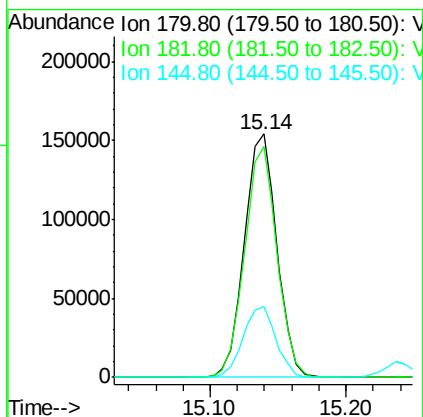
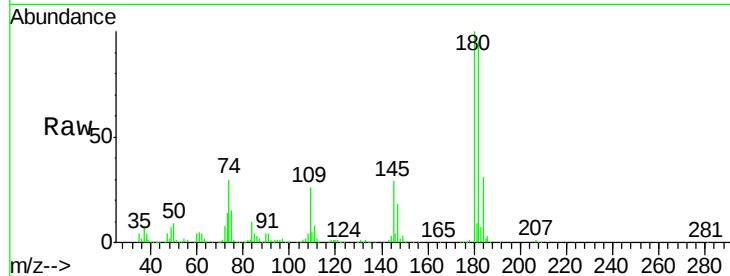




#93
 1,2,4-Trichlorobenzene
 Concen: 52.173 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008821.D
 Acq: 26 Feb 2019 10:38

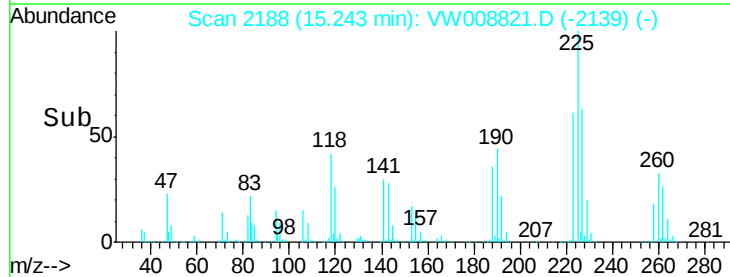
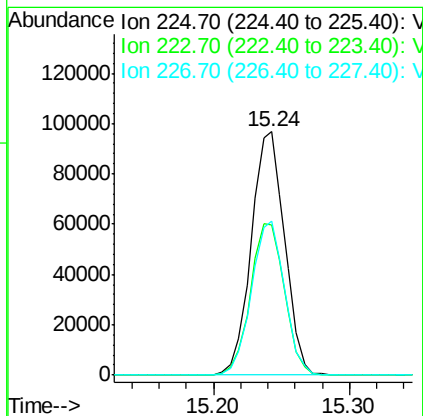
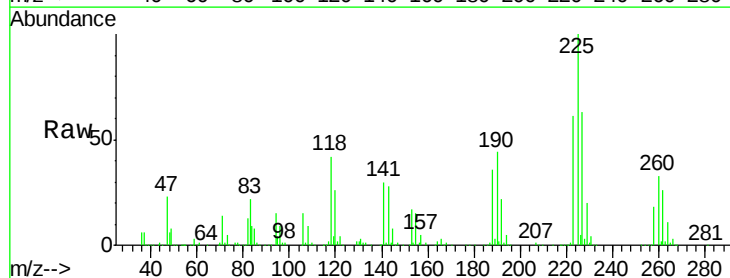
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

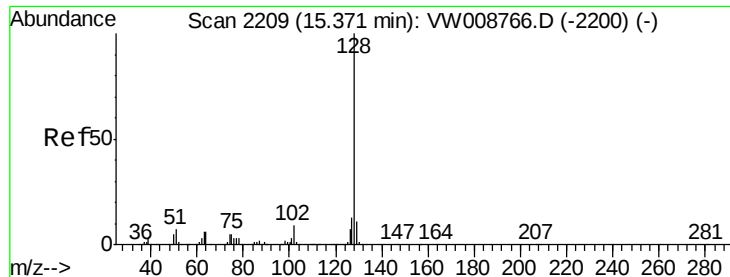
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.2	141.6
145	29.4	14.4	43.0



#94
 Hexachlorobutadiene
 Concen: 57.158 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008821.D
 Acq: 26 Feb 2019 10:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.5	94.5
227	63.0	31.6	94.8

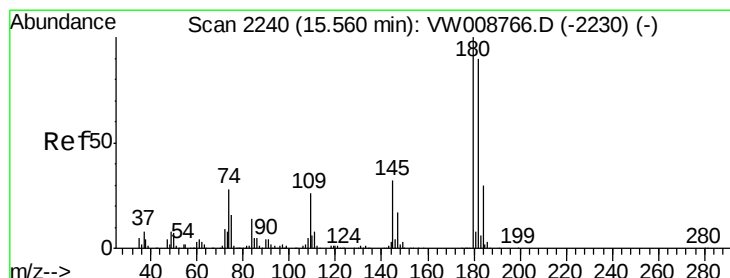
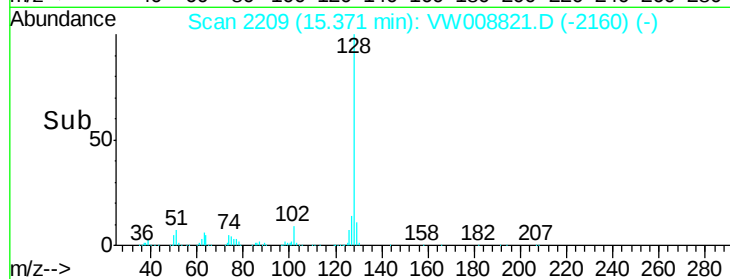
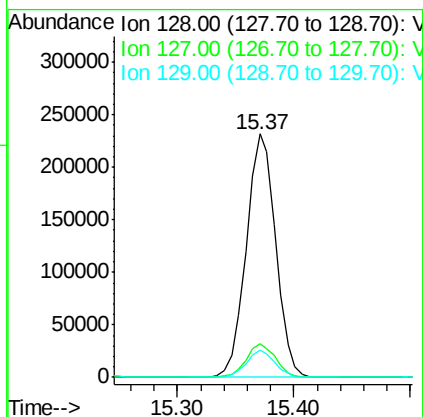
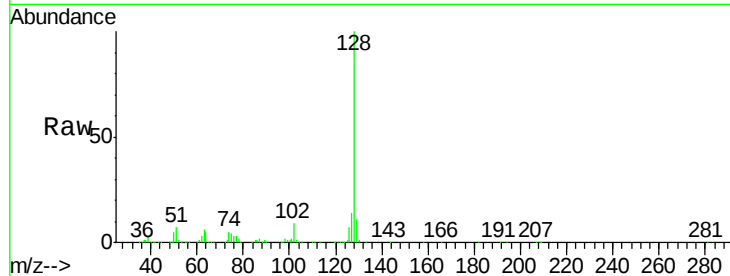




#95
Naphthalene
Concen: 48.628 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 408318
Ion Ratio Lower Upper
128 100
127 13.8 10.8 16.2
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 50.868 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008821.D
Acq: 26 Feb 2019 10:38

Tgt Ion:180 Resp: 216901
Ion Ratio Lower Upper
180 100
182 96.9 46.9 140.8
145 31.9 15.9 47.6

