

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021319\
 Data File : VW008648.D
 Acq On : 13 Feb 2019 19:44
 Operator : SY/VA
 Sample : VW0213SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-021119-N

Quant Time: Feb 14 04:44:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	378916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	579165	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	526541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	276133	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	201298	51.10	ug/l	0.00
Spiked Amount			Recovery	=	102.20%	
35) Dibromofluoromethane	7.88	113	180829	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
50) Toluene-d8	10.32	98	680405	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	
62) 4-Bromofluorobenzene	12.62	95	253233	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	46514	19.166	ug/l	98
3) Chloromethane	2.21	50	66475	19.000	ug/l	100
4) Vinyl Chloride	2.37	62	84957	18.486	ug/l	100
5) Bromomethane	2.78	94	74192	20.402	ug/l	99
6) Chloroethane	2.92	64	66951	19.579	ug/l	94
7) Trichlorofluoromethane	3.25	101	64569	18.039	ug/l	96
8) Diethyl Ether	3.67	74	48289	22.607	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.05	101	76505	20.226	ug/l	99
10) Methyl Iodide	4.26	142	118818	20.125	ug/l	98
11) Tert butyl alcohol	5.17	59	37206	118.045	ug/l #	94
12) 1,1-Dichloroethene	4.02	96	73273	19.808	ug/l	93
13) Acrolein	3.88	56	37296	114.851	ug/l	99
14) Allyl chloride	4.65	41	123286	20.060	ug/l	99
15) Acrylonitrile	5.37	53	104653	116.404	ug/l	99
16) Acetone	4.12	43	94494	105.412	ug/l	100
17) Carbon Disulfide	4.37	76	217097	19.447	ug/l	100
18) Methyl Acetate	4.67	43	43090	21.036	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	141009	21.714	ug/l	99
20) Methylene Chloride	4.90	84	90503	18.333	ug/l	95
21) trans-1,2-Dichloroethene	5.41	96	81359	20.083	ug/l	95
22) Diisopropyl ether	6.31	45	252248	20.392	ug/l	99
23) Vinyl Acetate	6.25	43	847594	105.576	ug/l	99
24) 1,1-Dichloroethane	6.21	63	143375	20.086	ug/l	100
25) 2-Butanone	7.16	43	146216	115.513	ug/l	99
26) 2,2-Dichloropropane	7.16	77	85588	19.194	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	91880	20.974	ug/l	96
28) Bromochloromethane	7.51	49	65246	21.653	ug/l	98
29) Tetrahydrofuran	7.53	42	98780	118.398	ug/l	98
30) Chloroform	7.67	83	142579	19.935	ug/l	93
31) Cyclohexane	7.94	56	141794	19.681	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	119457	19.776	ug/l	98
36) 1,1-Dichloropropene	8.08	75	114358	19.653	ug/l	99
37) Ethyl Acetate	7.25	43	65431	23.311	ug/l	100
38) Carbon Tetrachloride	8.06	117	112569	19.455	ug/l	98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	144781	19.672	ug/l	99
40) Benzene	8.32	78	316863	19.939	ug/l	99
41) Methacrylonitrile	7.48	41	37479	23.732	ug/l	97
42) 1,2-Dichloroethane	8.40	62	104212	21.142	ug/l	99
43) Isopropyl Acetate	8.42	43	126764	22.649	ug/l	98
44) Trichloroethene	9.09	130	89023	20.204	ug/l	93
45) 1,2-Dichloropropane	9.37	63	80156	20.381	ug/l	97
46) Dibromomethane	9.46	93	46198	21.324	ug/l	98
47) Bromodichloromethane	9.64	83	107351	20.618	ug/l	98
48) Methyl methacrylate	9.44	41	57199	22.052	ug/l	99
49) 1,4-Dioxane	9.44	88	15271	441.589	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	331855	115.425	ug/l	100
52) Toluene	10.39	92	206075	20.101	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	110635	20.226	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	128088	20.658	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	63027	21.202	ug/l	96
56) Ethyl methacrylate	10.65	69	86244	21.849	ug/l	99
57) 1,3-Dichloropropane	10.93	76	112058	21.246	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	220675	116.541	ug/l	99
59) 2-Hexanone	10.97	43	226481	112.134	ug/l	99
60) Dibromochloromethane	11.13	129	72486	20.379	ug/l	98
61) 1,2-Dibromoethane	11.24	107	62549	21.370	ug/l	100
64) Tetrachloroethene	10.86	164	78592	20.072	ug/l	96
65) Chlorobenzene	11.66	112	225357	19.857	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	77935	19.385	ug/l	99
67) Ethyl Benzene	11.73	91	394528	19.516	ug/l	100
68) m/p-Xylenes	11.84	106	308524	39.224	ug/l	98
69) o-Xylene	12.16	106	145187	19.527	ug/l	99
70) Styrene	12.18	104	234004	19.269	ug/l	99
71) Bromoform	12.35	173	43298	19.988	ug/l #	96
73) Isopropylbenzene	12.46	105	393606	19.136	ug/l	99
74) N-amyl acetate	12.27	43	117785	21.176	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	77497	21.655	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	102959	37.760	ug/l #	100
77) Bromobenzene	12.75	156	97305	20.580	ug/l	97
78) n-propylbenzene	12.80	91	476564	19.500	ug/l	99
79) 2-Chlorotoluene	12.90	91	269583	19.518	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	335916	19.662	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	23208	20.340	ug/l	96
82) 4-Chlorotoluene	12.99	91	281489	19.230	ug/l	99
83) tert-Butylbenzene	13.21	119	302052	20.361	ug/l	96
84) 1,2,4-Trimethylbenzene	13.25	105	340452	19.389	ug/l	100
85) sec-Butylbenzene	13.39	105	421126	19.496	ug/l	99
86) p-Isopropyltoluene	13.50	119	372337	19.268	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	187066	19.517	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	188344	19.939	ug/l	99
89) n-Butylbenzene	13.83	91	351277	19.130	ug/l	99
90) Hexachloroethane	14.10	117	64912	19.227	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	173025	20.375	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13876	22.313	ug/l	97

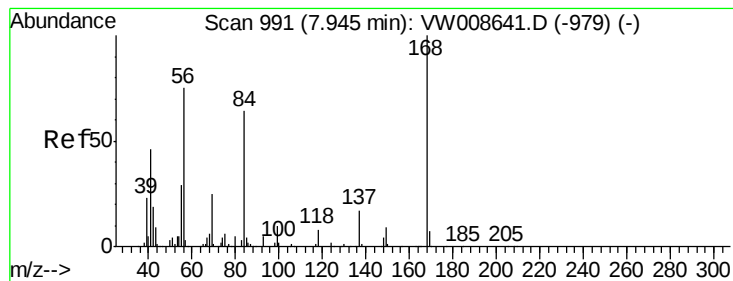
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW021319\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 04:06:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	126178	20.873	ug/l	99
94) Hexachlorobutadiene	15.24	225	72769	20.680	ug/l	99
95) Naphthalene	15.37	128	238569	22.023	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	111287	21.454	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008648.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

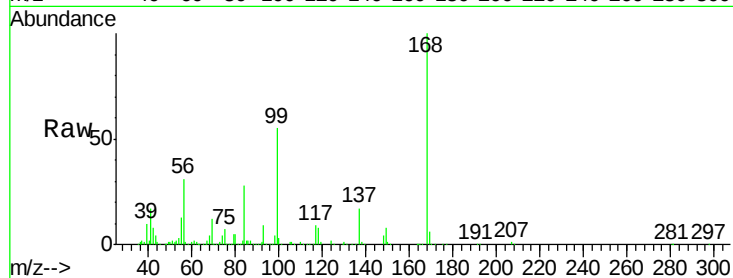
JC-02-021119-N

Tot Ion:168 Resp: 378916

Ion Ratio Lower Upper

168 100

99 54.8 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.94

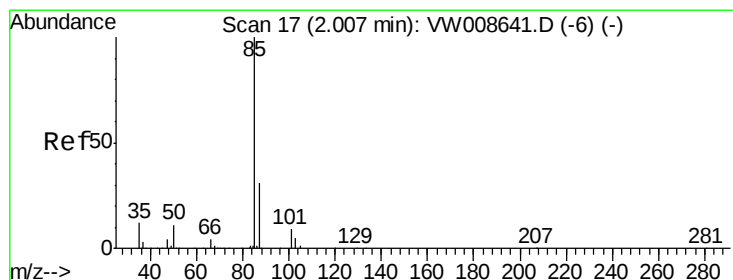
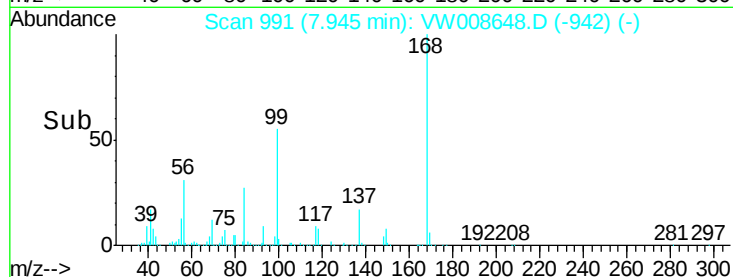
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.166 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW008648.D

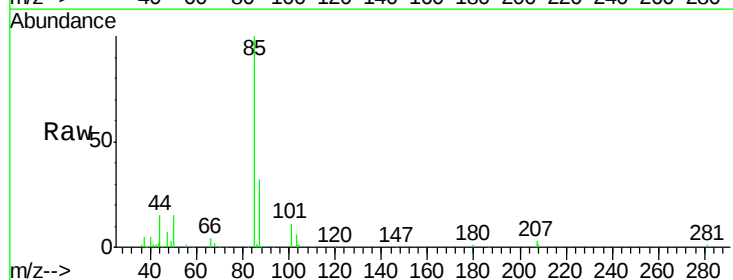
Acq: 13 Feb 2019 19:44

Tgt Ion: 85 Resp: 46514

Ion Ratio Lower Upper

85 100

87 31.8 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

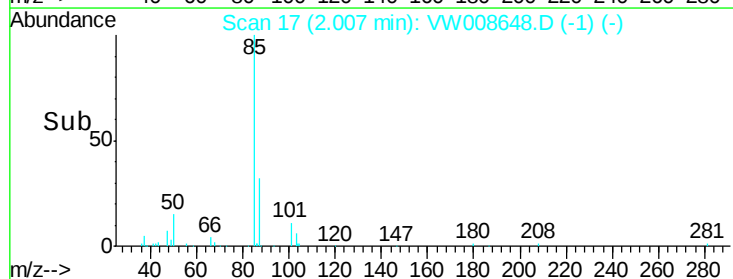
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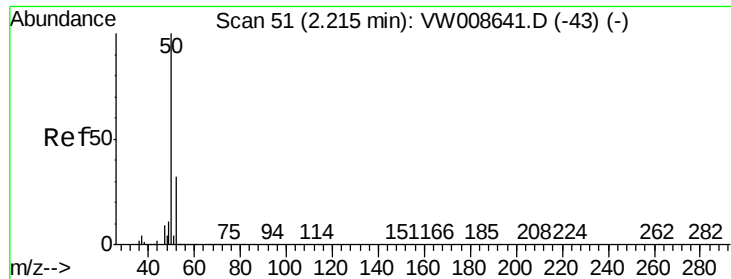
10000

5000

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Time-->





#3

Chloromethane

Concen: 19.000 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008648.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

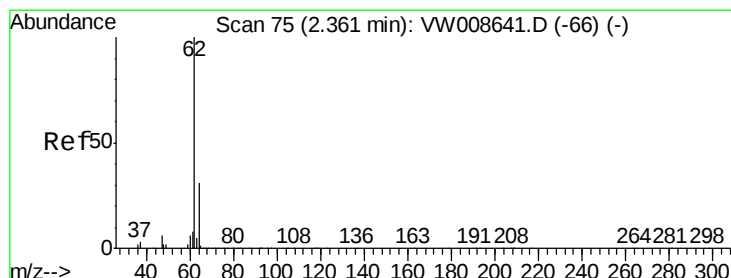
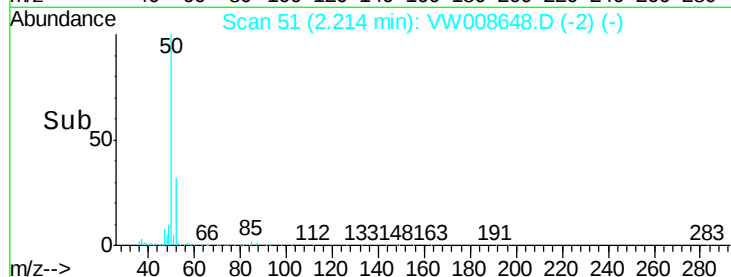
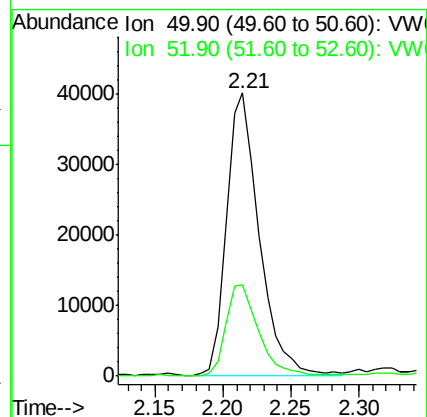
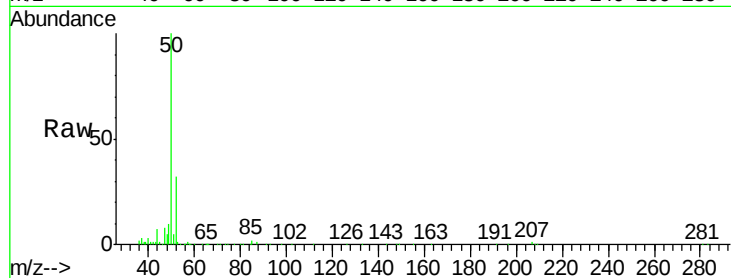
JC-02-021119-N

Tot Ion: 50 Resp: 66475

Ion Ratio Lower Upper

50 100

52 32.2 26.0 39.0



#4

Vinyl Chloride

Concen: 18.486 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW008648.D

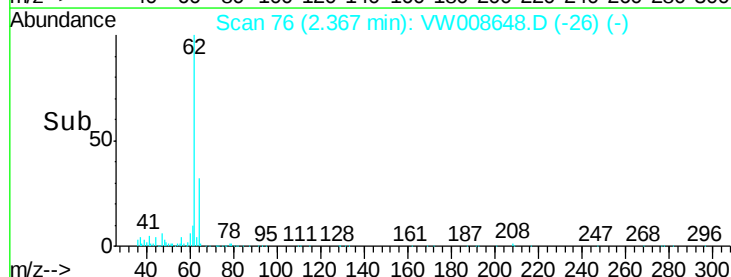
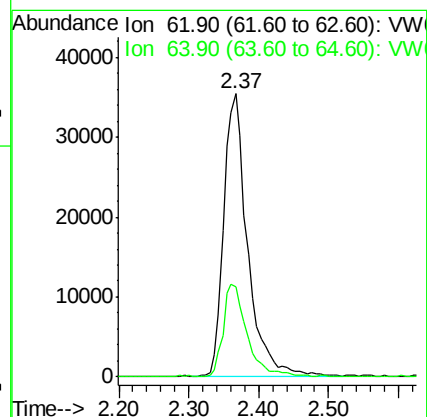
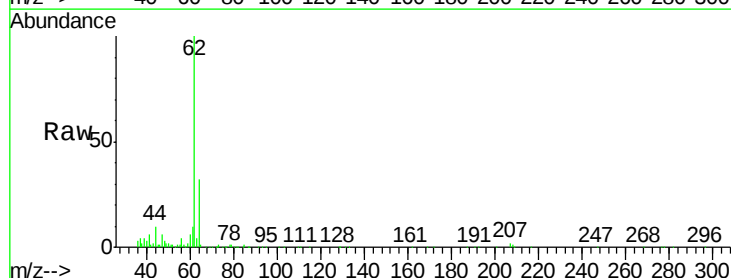
Acq: 13 Feb 2019 19:44

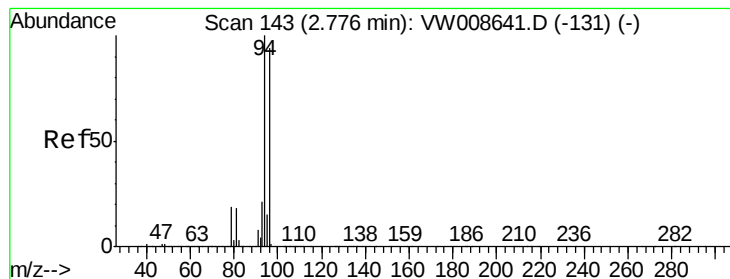
Tgt Ion: 62 Resp: 84957

Ion Ratio Lower Upper

62 100

64 31.6 25.1 37.7





#5

Bromomethane

Concen: 20.402 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW008648.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

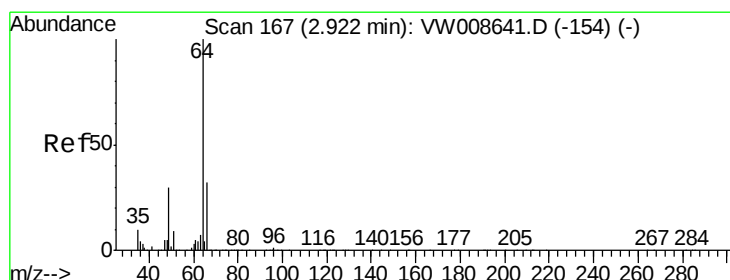
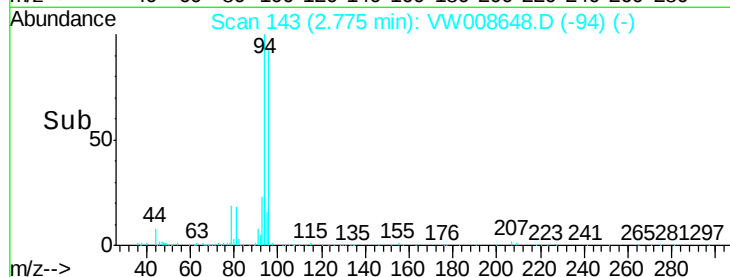
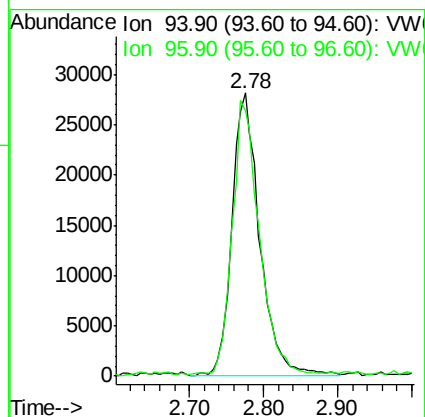
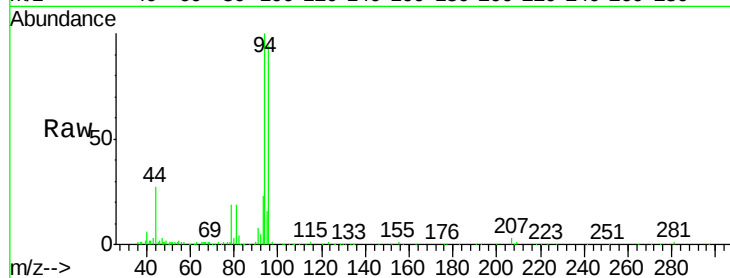
JC-02-021119-N

Tot Ion: 94 Resp: 74192

Ion Ratio Lower Upper

94 100

96 93.3 75.5 113.3



#6

Chloroethane

Concen: 19.579 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW008648.D

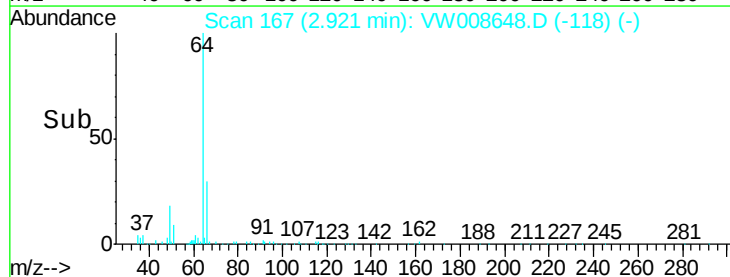
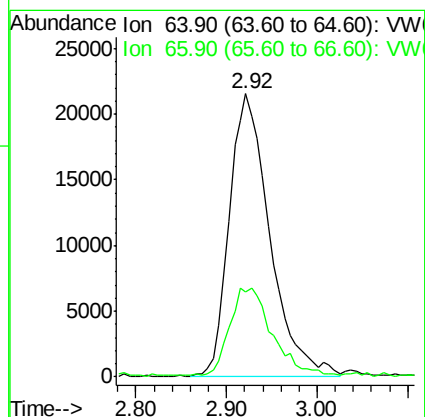
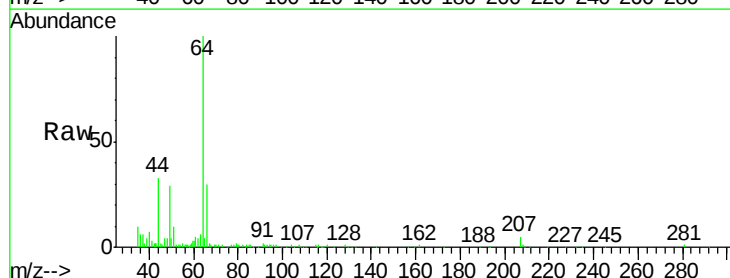
Acq: 13 Feb 2019 19:44

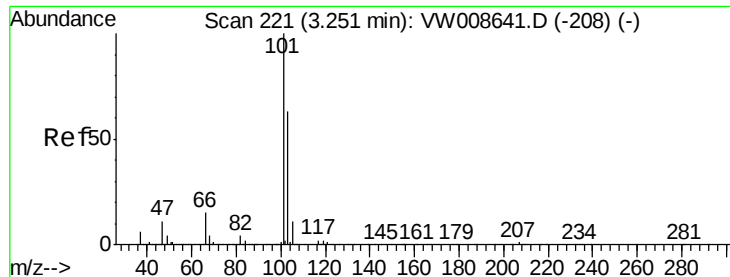
Tgt Ion: 64 Resp: 66951

Ion Ratio Lower Upper

64 100

66 29.3 26.2 39.4



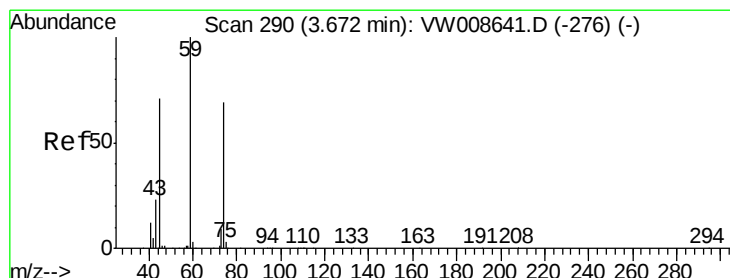
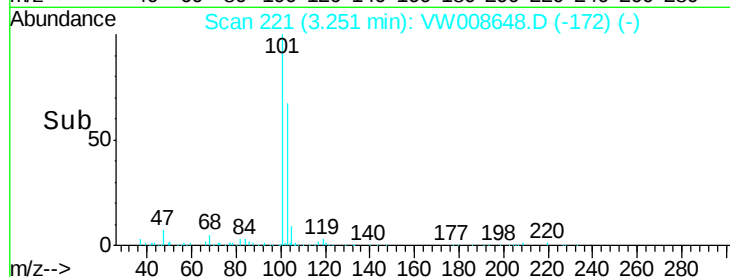
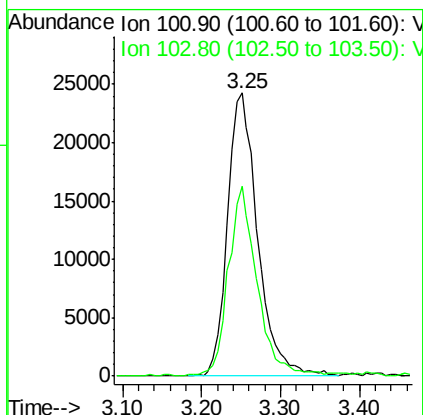
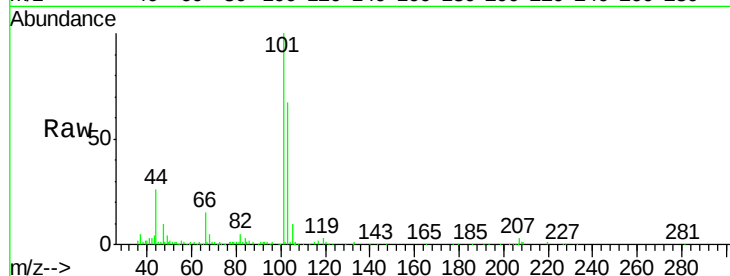


#7

Trichlorofluoromethane
 Concen: 18.039 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW008648.D
 Acq: 13 Feb 2019 19:44

Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-021119-N

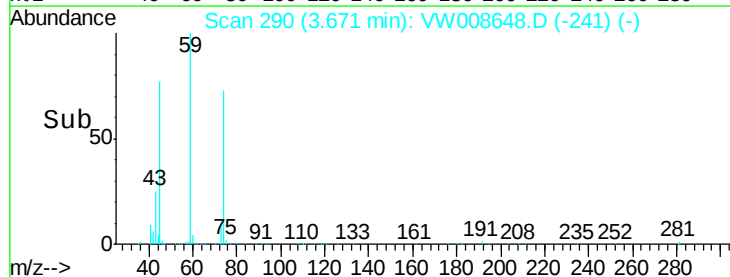
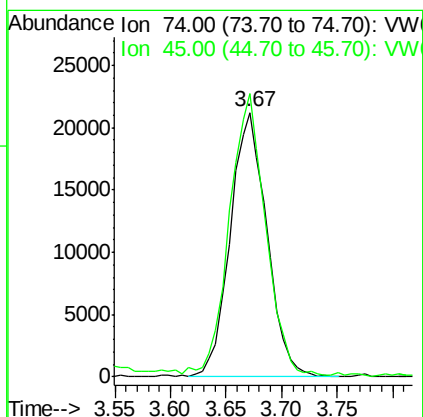
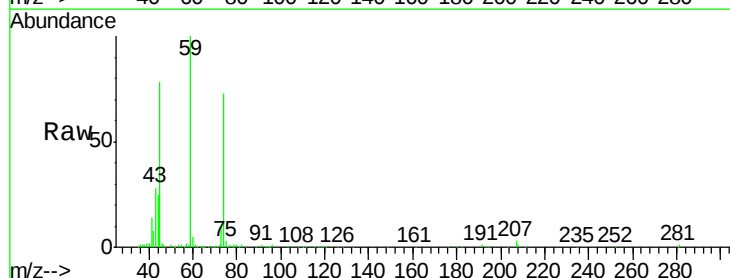
Tot Ion:101 Resp: 64569
 Ion Ratio Lower Upper
 101 100
 103 66.4 50.5 75.7

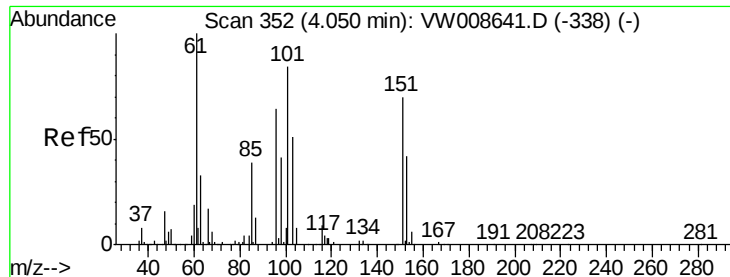


#8

Diethyl Ether
 Concen: 22.607 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VW008648.D
 Acq: 13 Feb 2019 19:44

Tgt Ion: 74 Resp: 48289
 Ion Ratio Lower Upper
 74 100
 45 104.3 50.2 150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.226 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.00 min

Lab File: VW008648.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

JC-02-021119-N

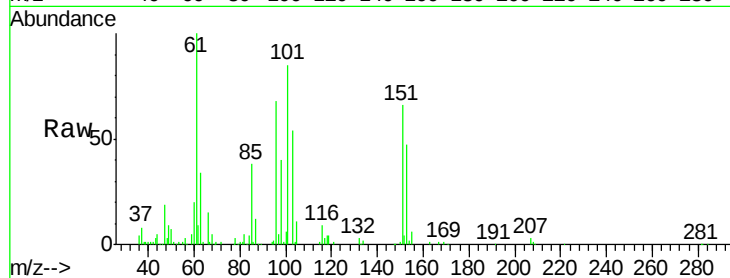
Tot Ion:101 Resp: 76505

Ion Ratio Lower Upper

101 100

85 43.8 34.3 51.5

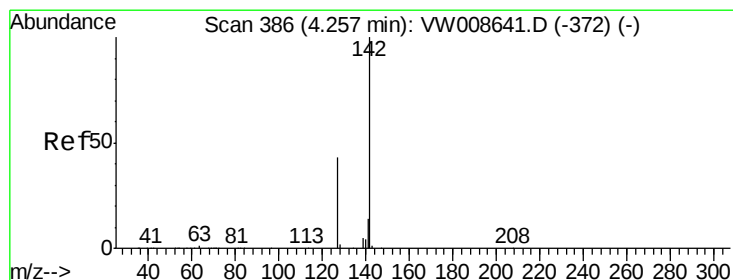
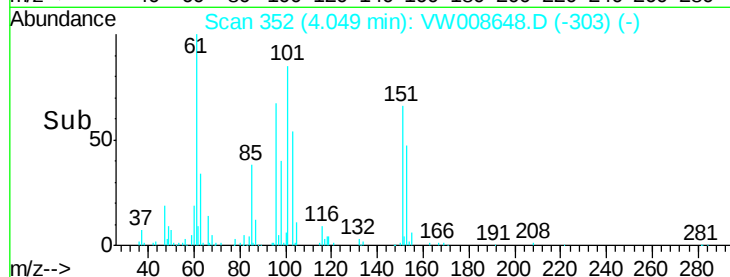
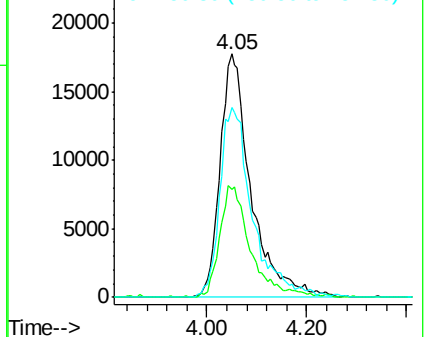
151 81.5 65.6 98.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.125 ug/l

RT: 4.26 min Scan# 386

Delta R.T. -0.00 min

Lab File: VW008648.D

Acq: 13 Feb 2019 19:44

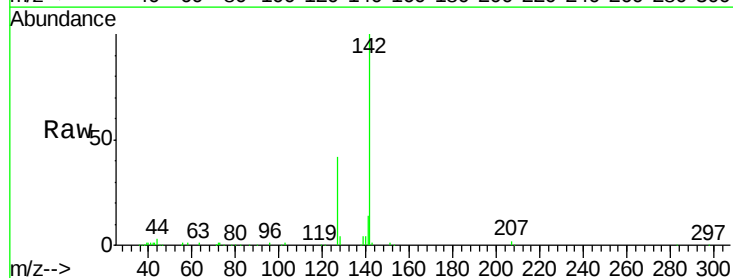
Tgt Ion:142 Resp: 118818

Ion Ratio Lower Upper

142 100

127 42.0 34.8 52.2

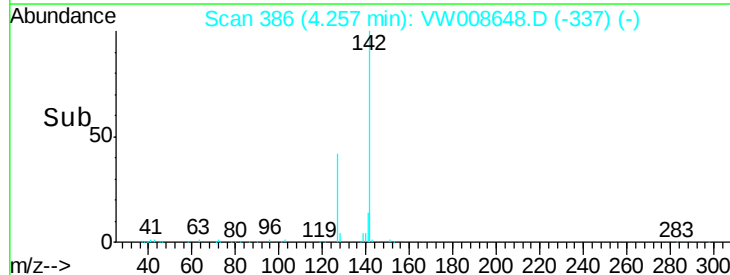
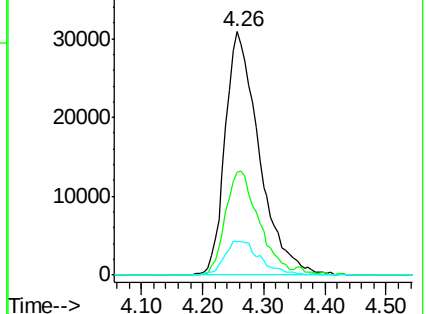
141 14.9 11.8 17.8

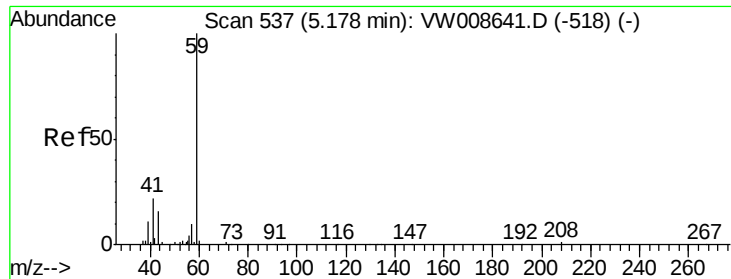


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



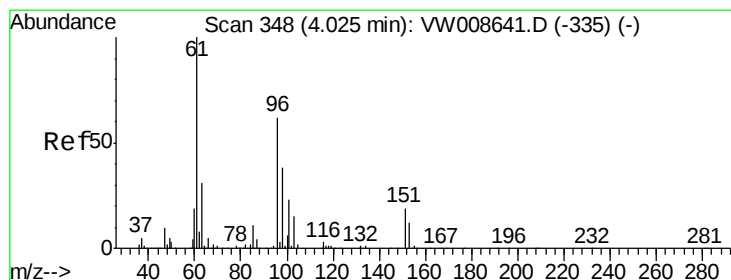
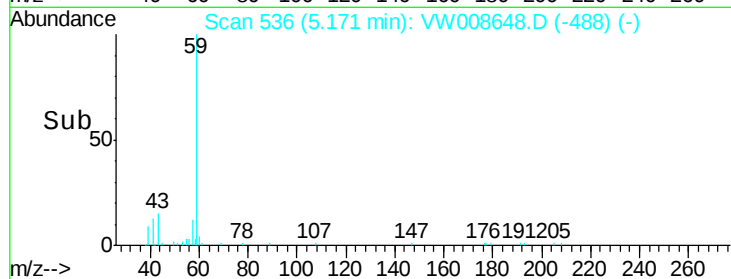
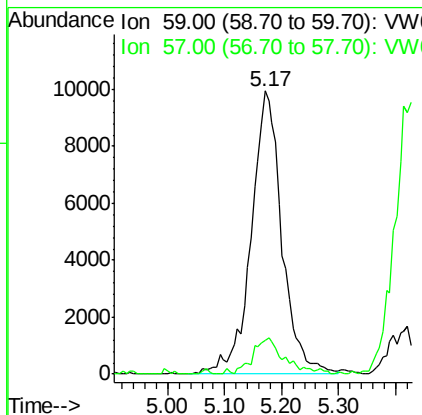
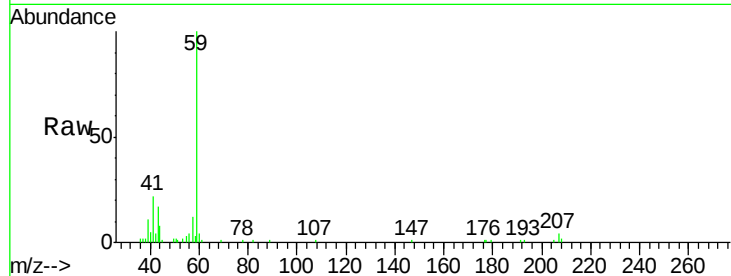


#11

Tert butyl alcohol
 Concen: 118.045 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. -0.01 min
 Lab File: VW008648.D
 Acq: 13 Feb 2019 19:44

Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-021119-N

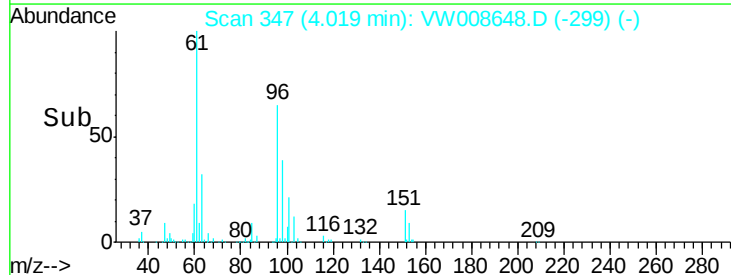
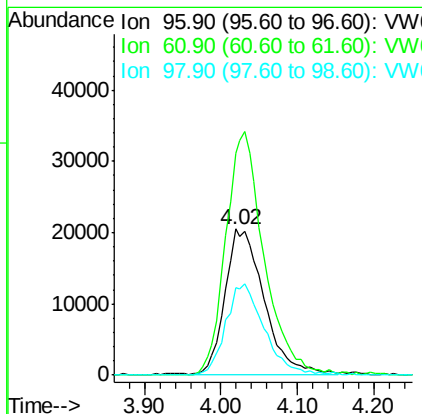
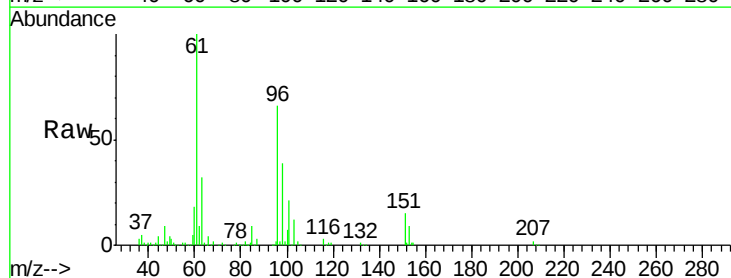
Tot Ion: 59 Resp: 37206
 Ion Ratio Lower Upper
 59 100
 57 12.6 8.3 12.5#

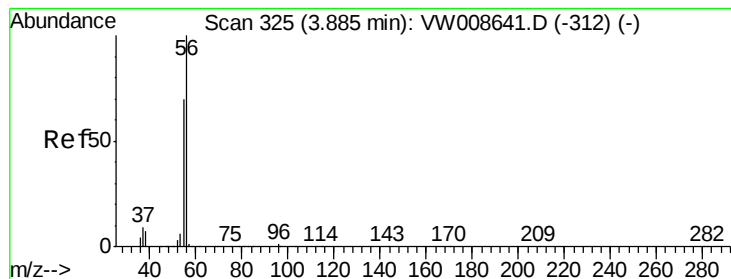


#12

1,1-Dichloroethene
 Concen: 19.808 ug/l
 RT: 4.02 min Scan# 347
 Delta R.T. -0.01 min
 Lab File: VW008648.D
 Acq: 13 Feb 2019 19:44

Tgt Ion: 96 Resp: 73273
 Ion Ratio Lower Upper
 96 100
 61 151.4 129.8 194.6
 98 59.6 49.3 73.9





#13

Acrolein

Concen: 114.851 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW008648.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

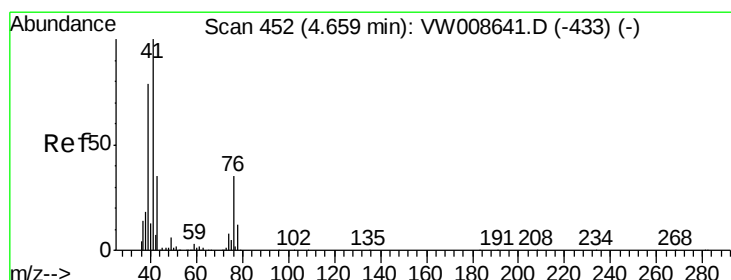
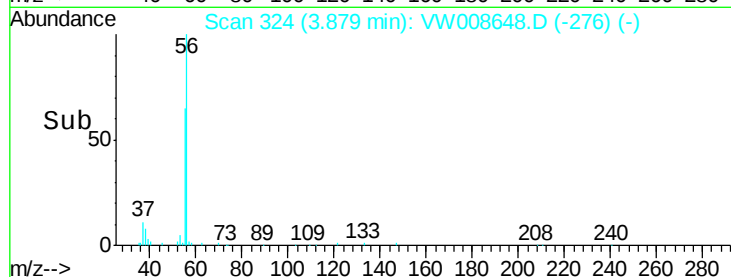
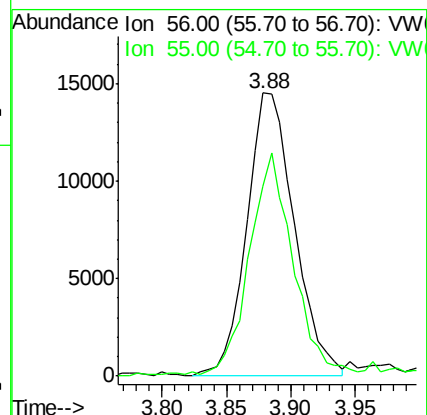
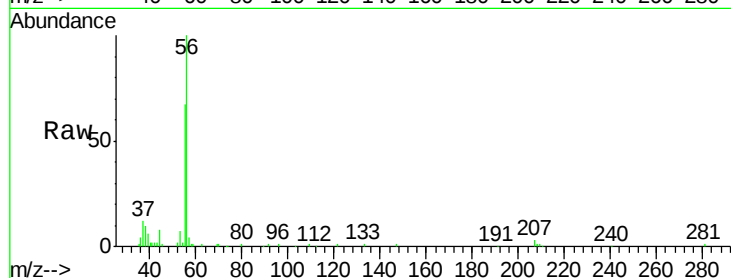
JC-02-021119-N

Tot Ion: 56 Resp: 37296

Ion Ratio Lower Upper

56 100

55 70.8 57.4 86.2



#14

Allyl chloride

Concen: 20.060 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW008648.D

Acq: 13 Feb 2019 19:44

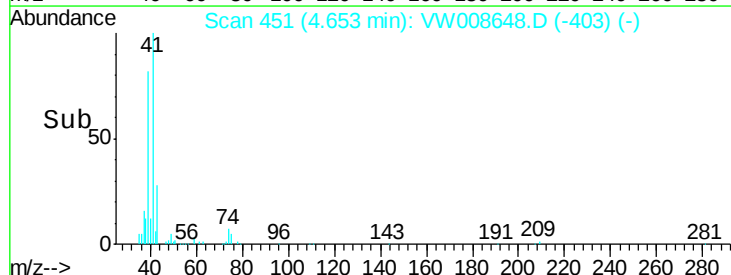
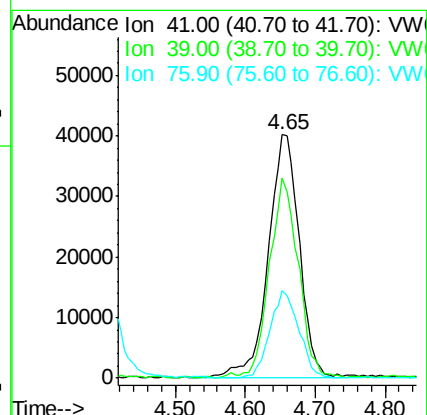
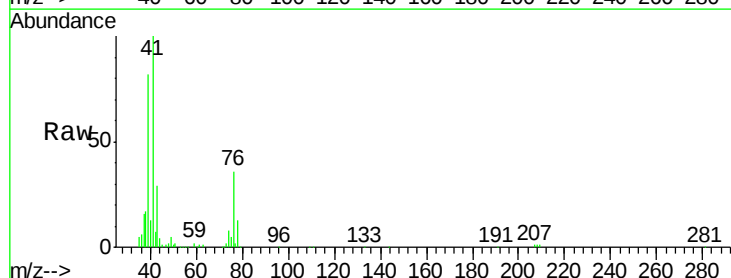
Tgt Ion: 41 Resp: 123286

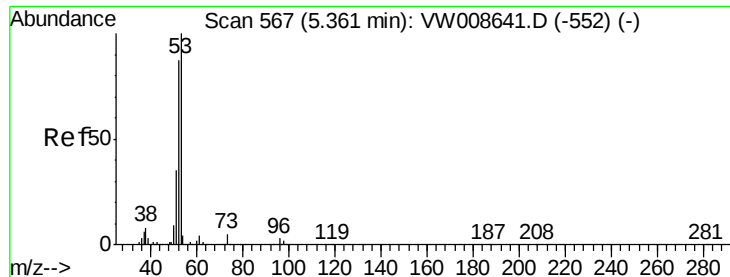
Ion Ratio Lower Upper

41 100

39 75.9 61.7 92.5

76 33.7 27.7 41.5





#15

Acrylonitrile

Concen: 116.404 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW008648.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

JC-02-021119-N

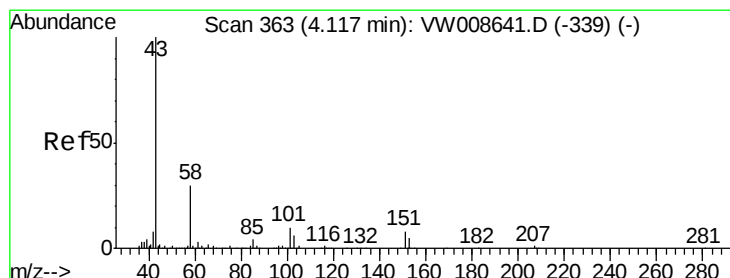
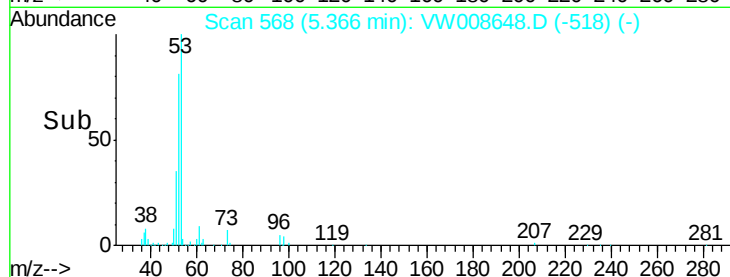
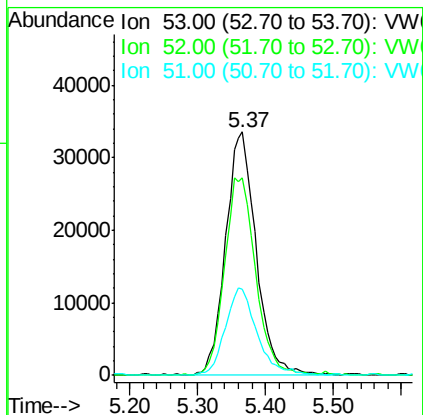
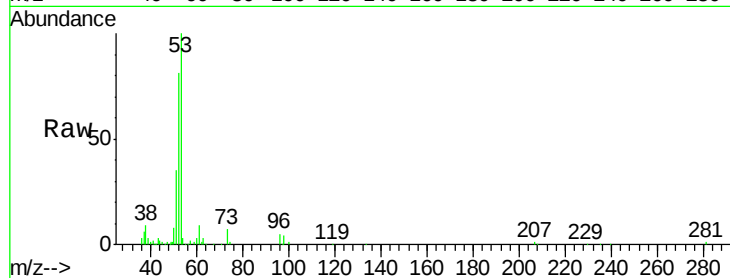
Tot Ion: 53 Resp: 104653

Ion Ratio Lower Upper

53 100

52 82.6 66.8 100.2

51 37.5 29.4 44.0



#16

Acetone

Concen: 105.412 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW008648.D

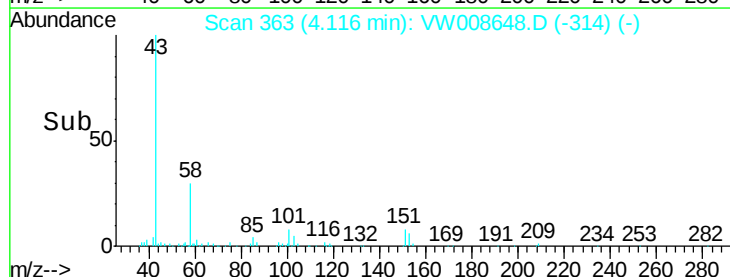
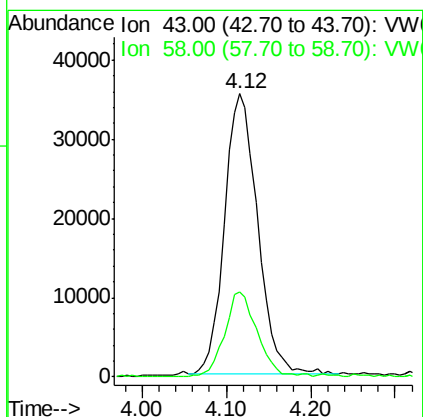
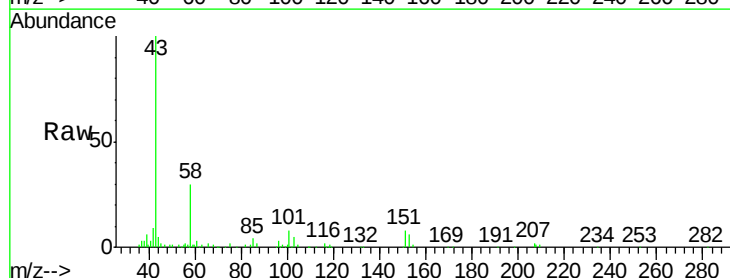
Acq: 13 Feb 2019 19:44

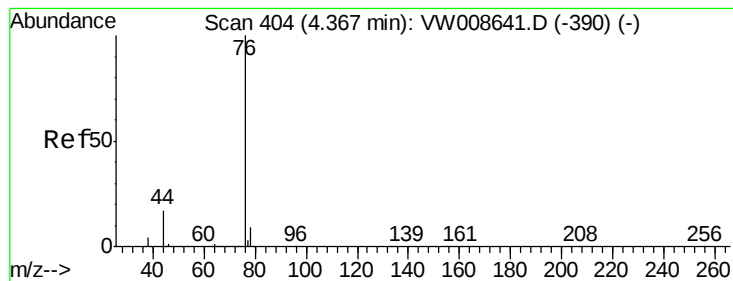
Tgt Ion: 43 Resp: 94494

Ion Ratio Lower Upper

43 100

58 30.3 24.1 36.1





#17

Carbon Disulfide

Concen: 19.447 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.01 min

Lab File: VW008648.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

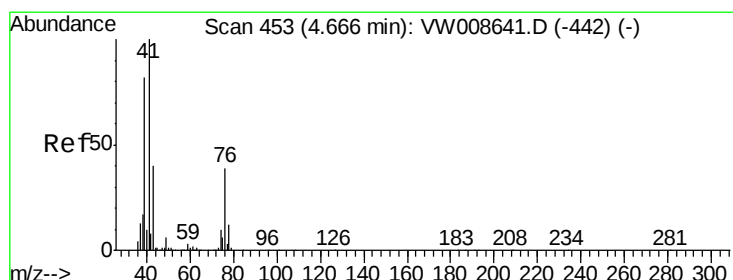
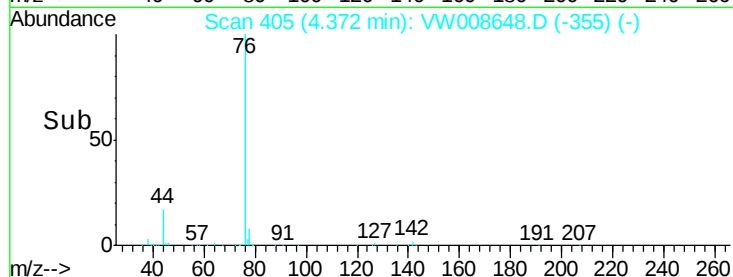
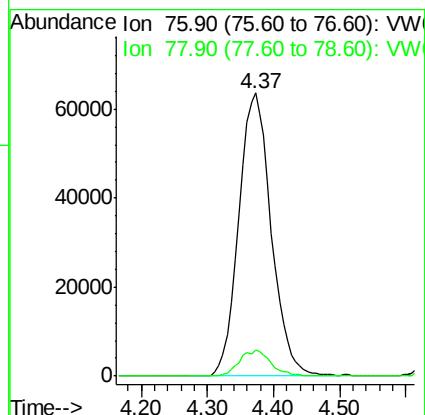
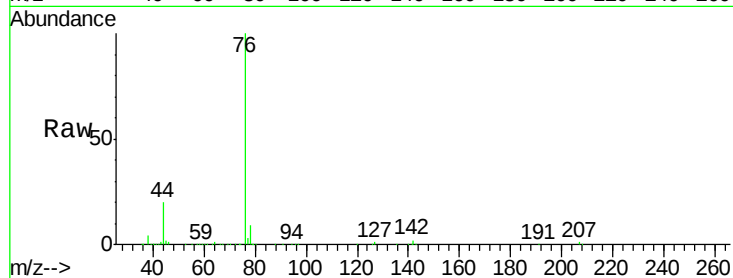
JC-02-021119-N

Tot Ion: 76 Resp: 217097

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



#18

Methyl Acetate

Concen: 21.036 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW008648.D

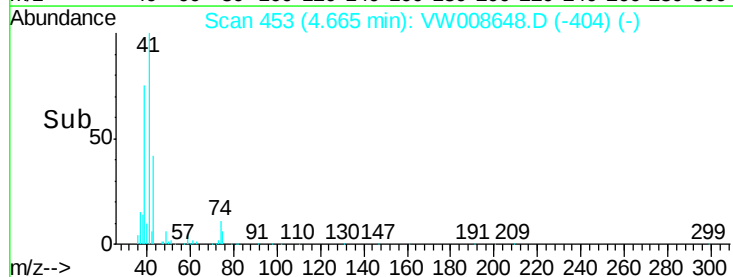
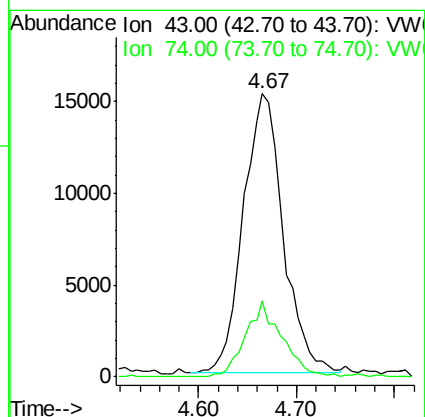
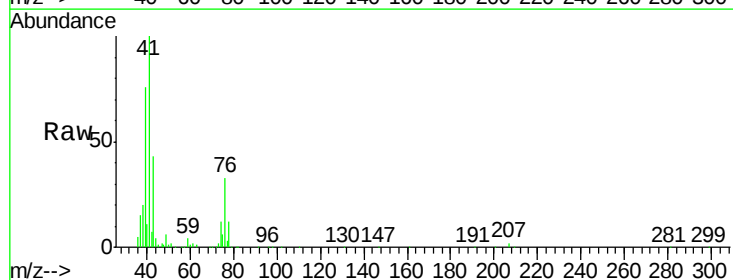
Acq: 13 Feb 2019 19:44

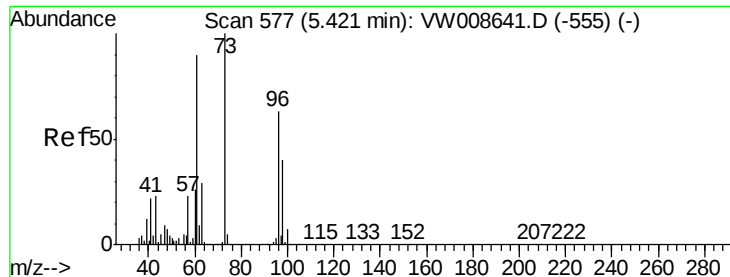
Tgt Ion: 43 Resp: 43090

Ion Ratio Lower Upper

43 100

74 24.7 19.0 28.4



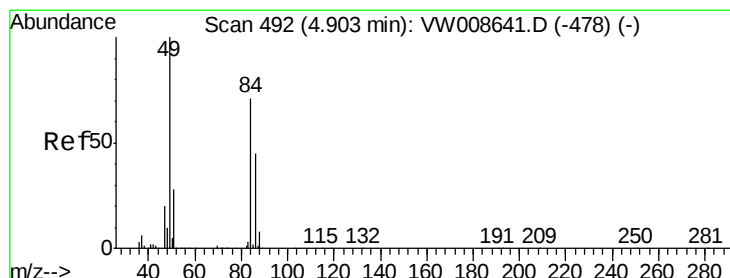
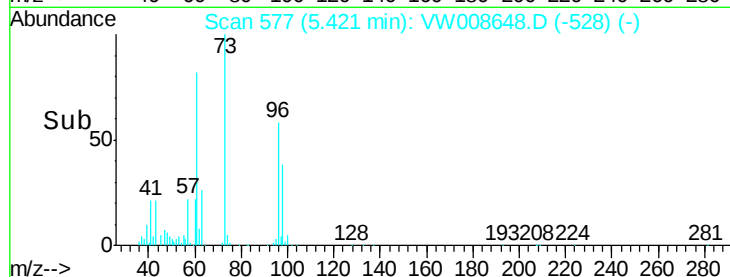
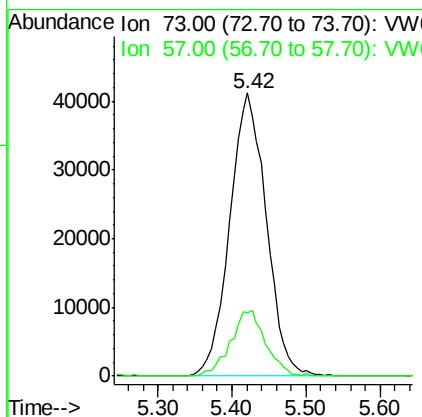
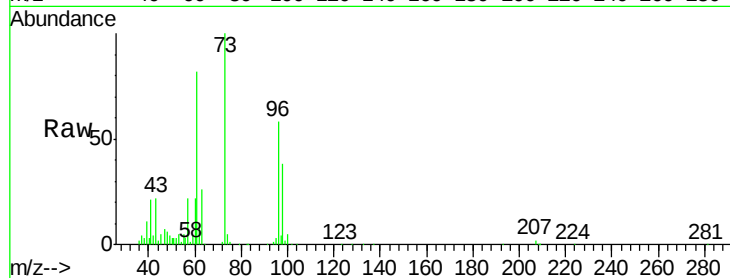


#19

Methyl tert-butyl Ether
 Concen: 21.714 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW008648.D
 Acq: 13 Feb 2019 19:44

Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-021119-N

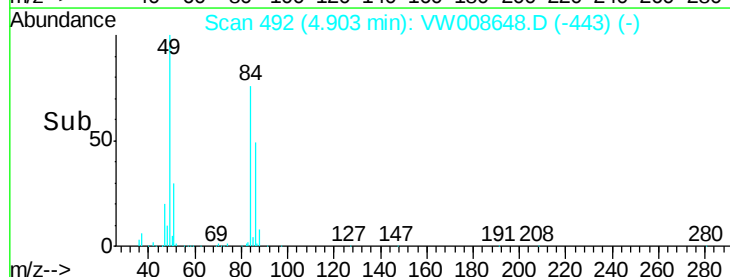
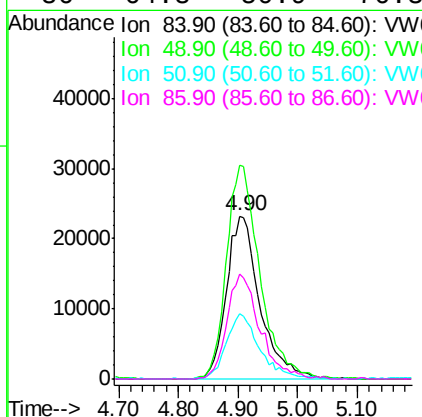
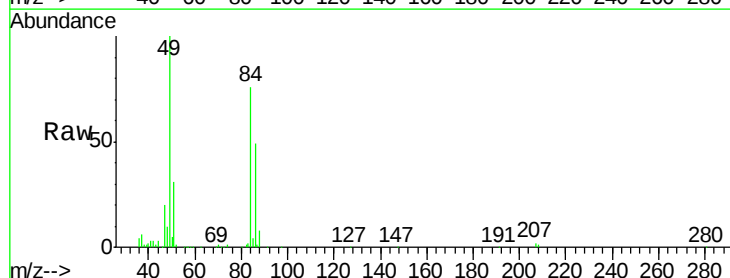
Tot Ion: 73 Resp: 141009
 Ion Ratio Lower Upper
 73 100
 57 22.4 18.2 27.2

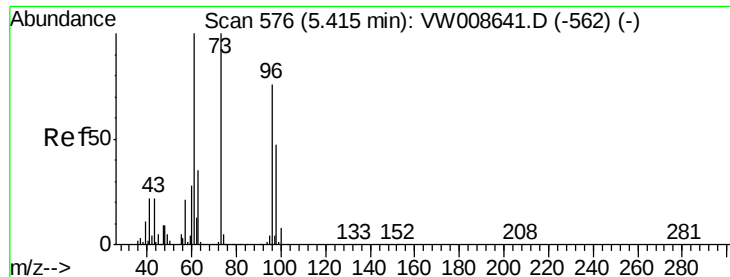


#20

Methylene Chloride
 Concen: 18.333 ug/l
 RT: 4.90 min Scan# 492
 Delta R.T. -0.00 min
 Lab File: VW008648.D
 Acq: 13 Feb 2019 19:44

Tgt Ion: 84 Resp: 90503
 Ion Ratio Lower Upper
 84 100
 49 131.2 113.3 169.9
 51 40.1 32.1 48.1
 86 64.8 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 20.083 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008648.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

JC-02-021119-N

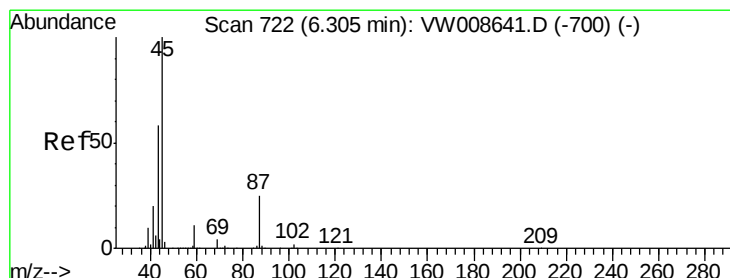
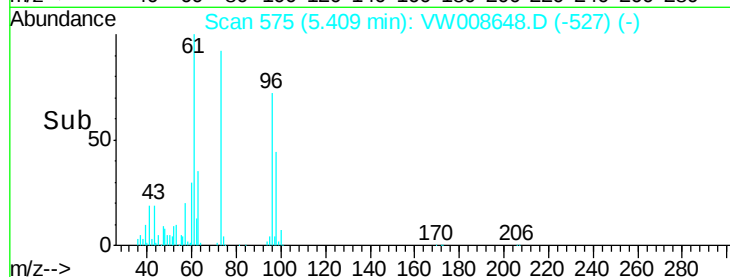
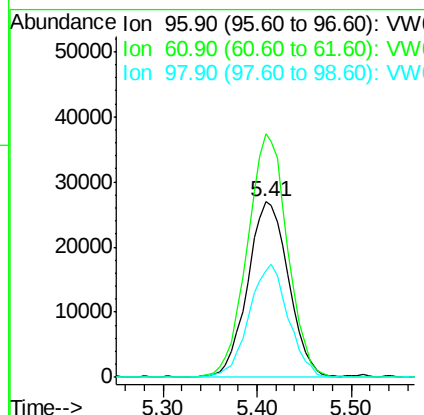
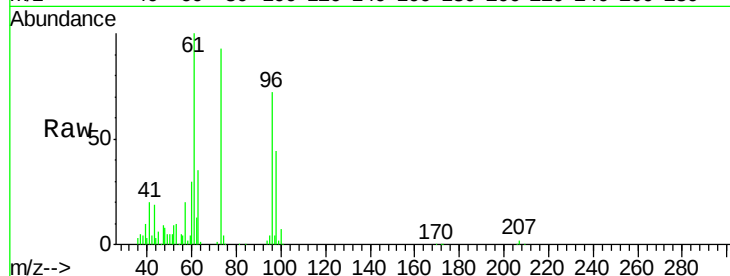
Tot Ion: 96 Resp: 81359

Ion Ratio Lower Upper

96 100

61 139.4 105.9 158.9

98 61.0 49.8 74.6



#22

Diisopropyl ether

Concen: 20.392 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW008648.D

Acq: 13 Feb 2019 19:44

Tgt Ion: 45 Resp: 252248

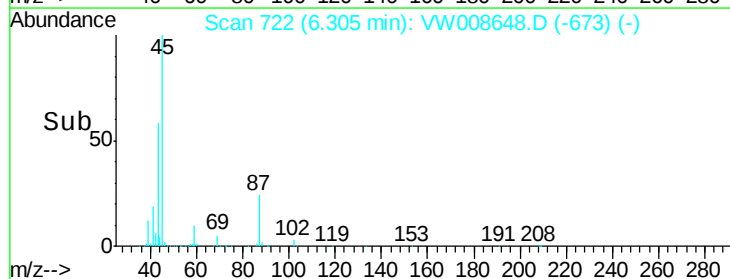
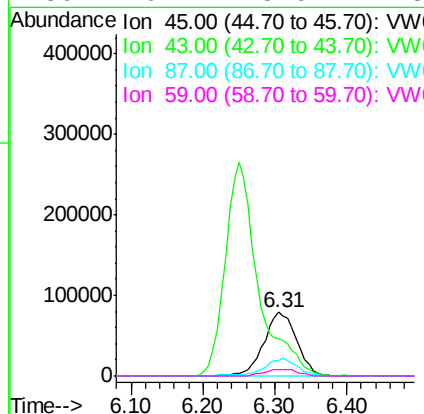
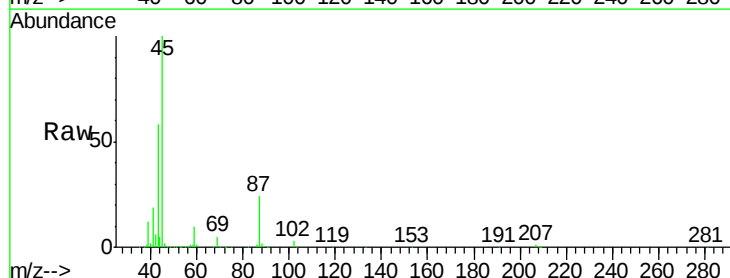
Ion Ratio Lower Upper

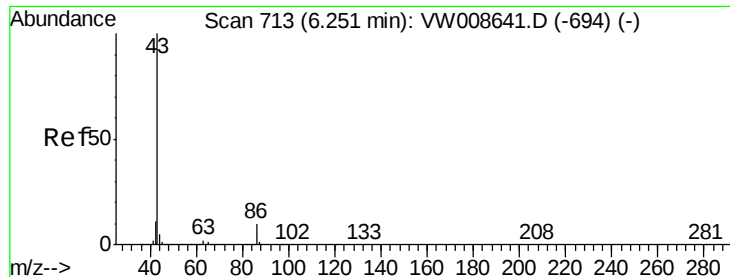
45 100

43 57.8 46.1 69.1

87 24.1 20.5 30.7

59 10.1 8.6 12.8





#23

Vinyl Acetate

Concen: 105.576 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW008648.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

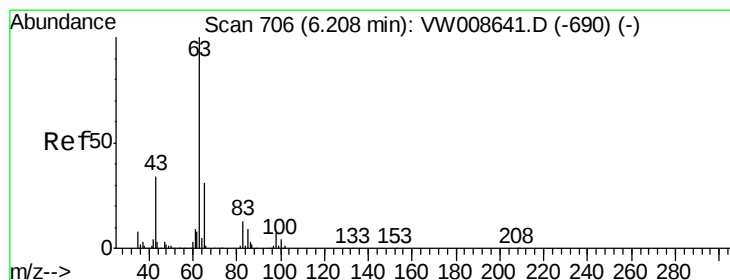
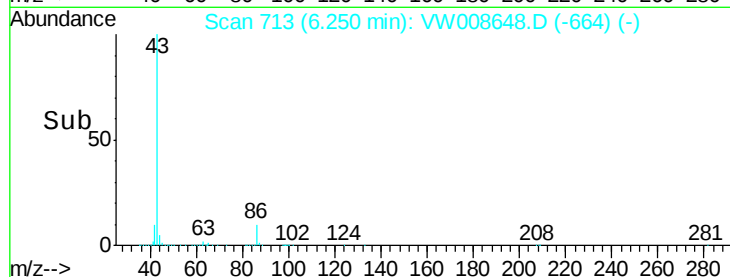
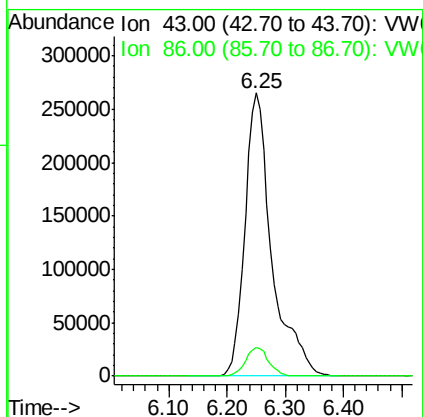
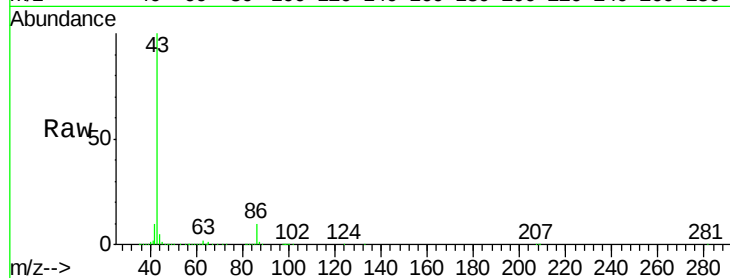
JC-02-021119-N

Tot Ion: 43 Resp: 847594

Ion Ratio Lower Upper

43 100

86 10.1 7.9 11.9



#24

1,1-Dichloroethane

Concen: 20.086 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW008648.D

Acq: 13 Feb 2019 19:44

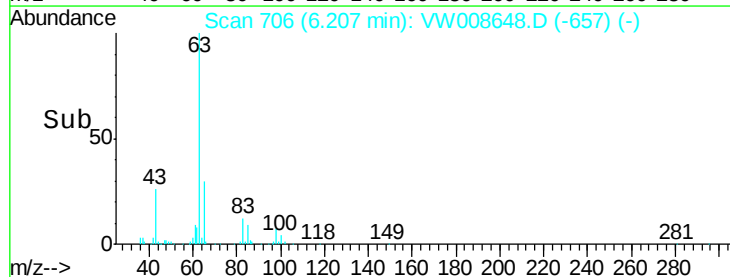
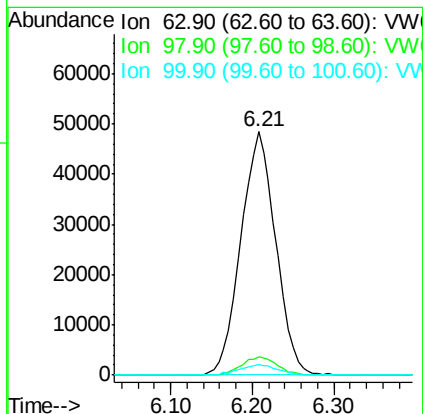
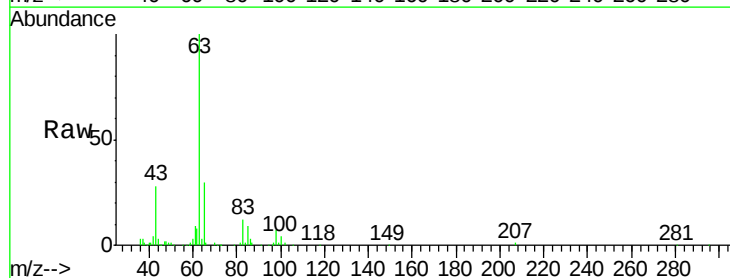
Tgt Ion: 63 Resp: 143375

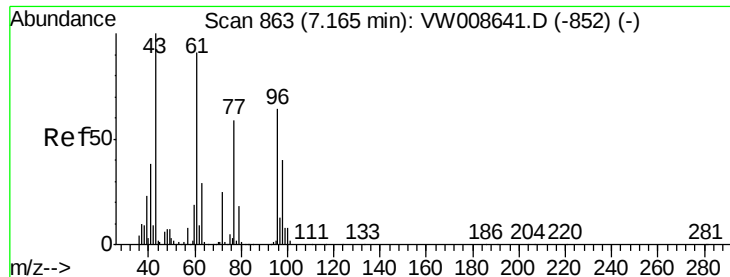
Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.8

100 4.2 2.2 6.6





#25

2-Butanone

Concen: 115.513 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW008648.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

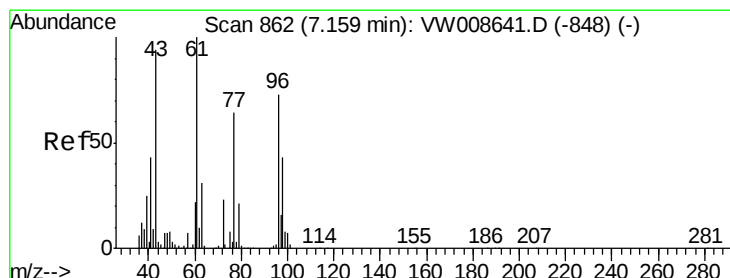
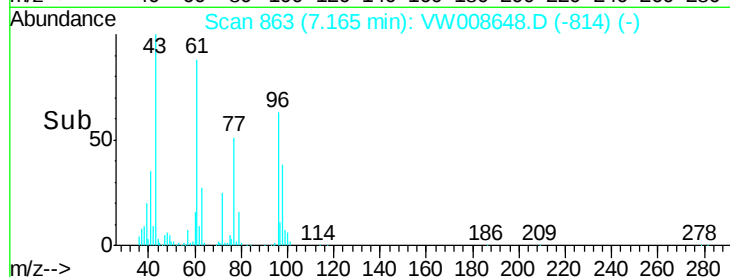
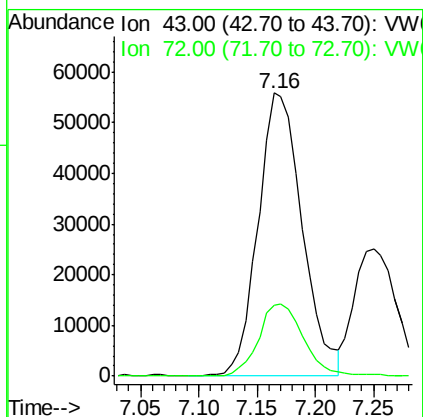
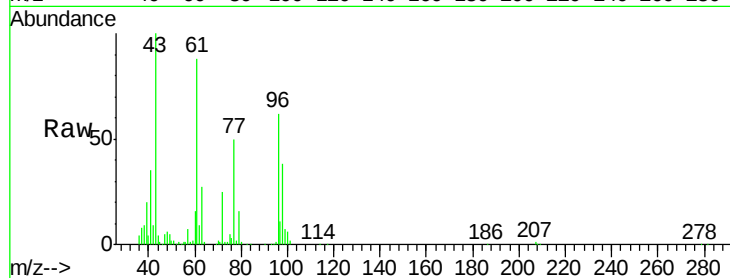
JC-02-021119-N

Tot Ion: 43 Resp: 146216

Ion Ratio Lower Upper

43 100

72 25.0 19.7 29.5



#26

2,2-Dichloropropane

Concen: 19.194 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW008648.D

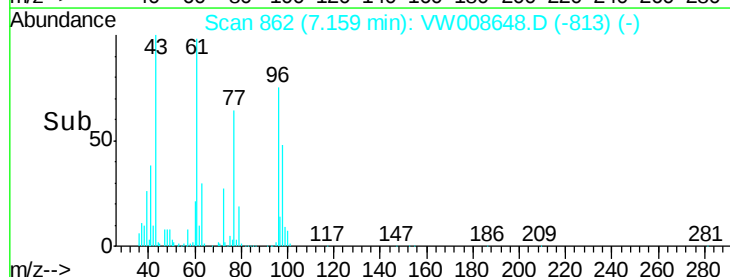
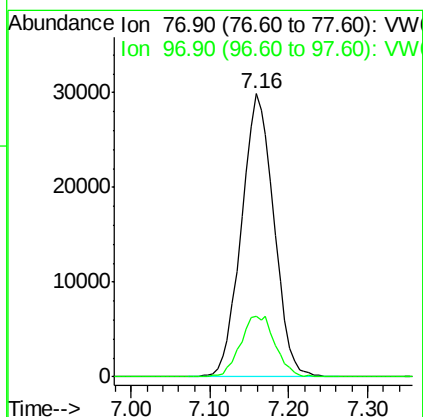
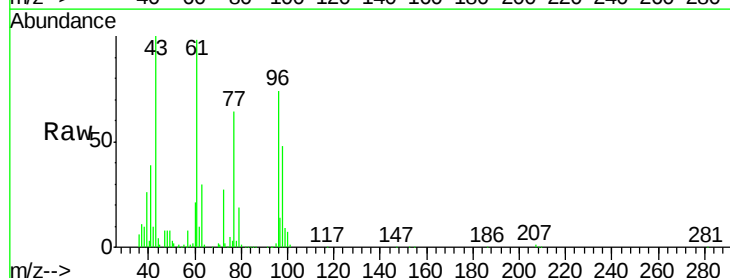
Acq: 13 Feb 2019 19:44

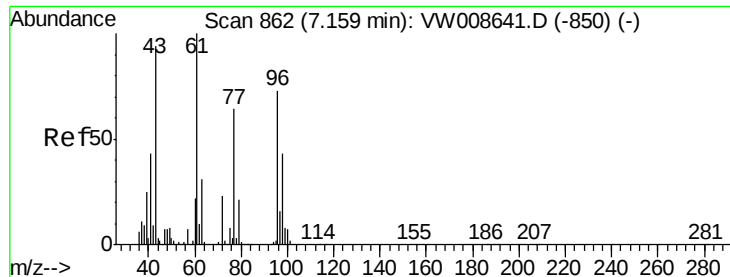
Tgt Ion: 77 Resp: 85588

Ion Ratio Lower Upper

77 100

97 23.0 11.7 35.0



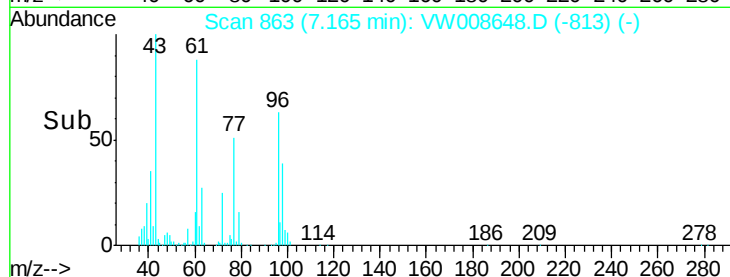
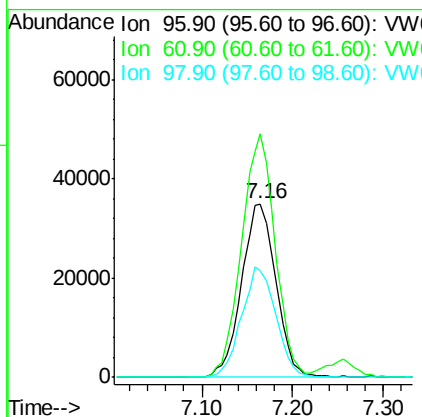
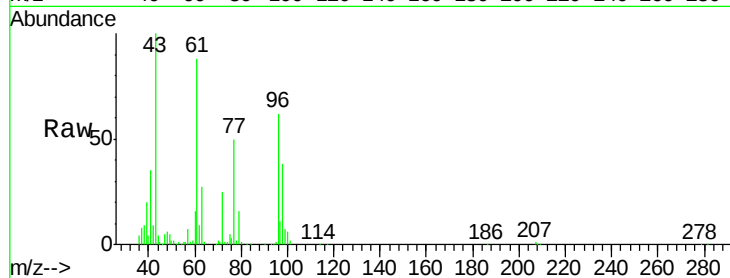


#27

cis-1,2-Dichloroethene
Concen: 20.974 ug/l
RT: 7.16 min Scan# 863
Delta R.T. 0.01 min
Lab File: VW008648.D
Acq: 13 Feb 2019 19:44

Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-N

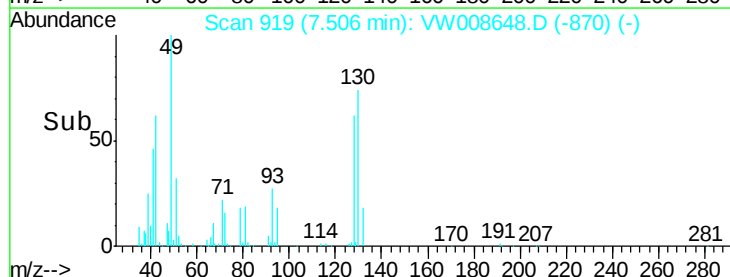
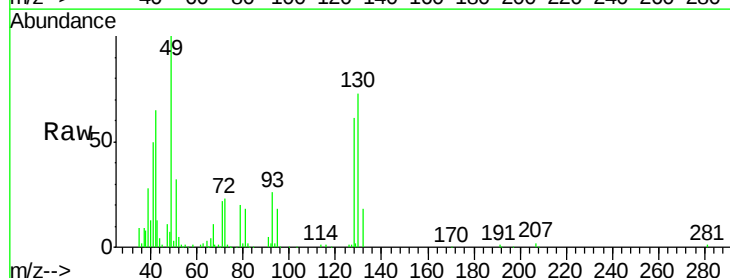
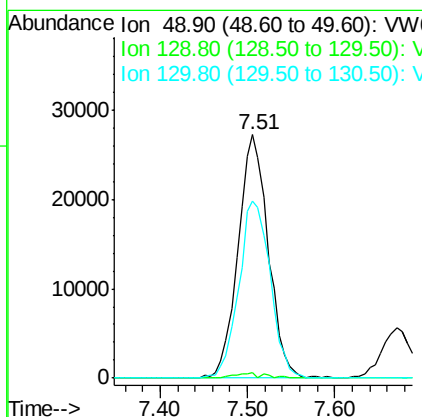
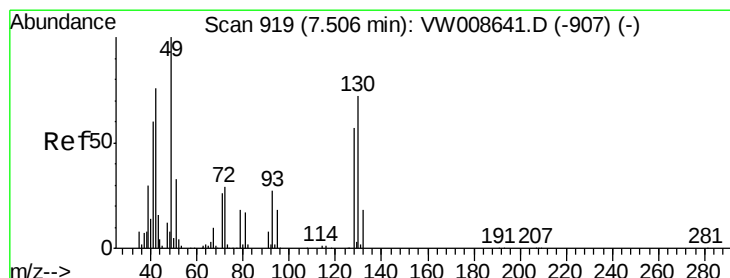
Tot Ion	96	Resp	91880
Ion Ratio	Lower	Upper	
96	100		
61	136.5	0.0	286.4
98	63.0	0.0	125.0

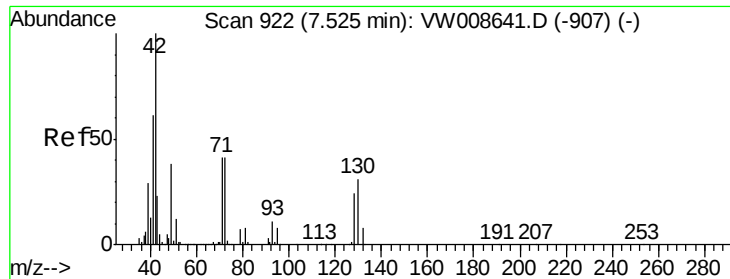


#28

Bromochloromethane
Concen: 21.653 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW008648.D
Acq: 13 Feb 2019 19:44

Tgt Ion	49	Resp	65246
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	3.2
130	75.9	59.4	89.0

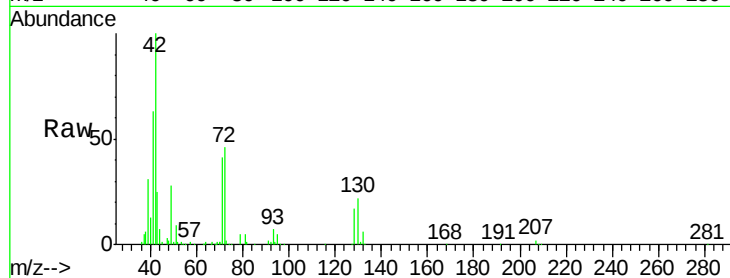




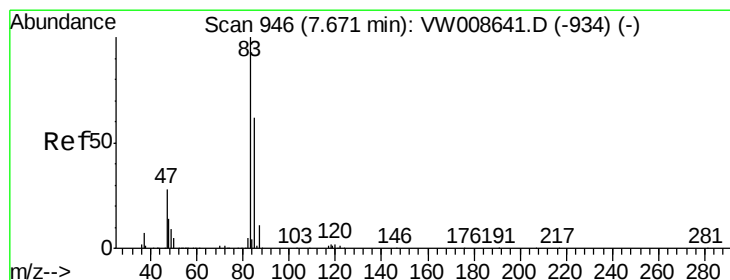
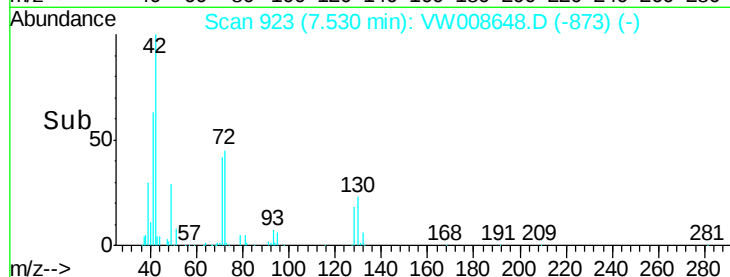
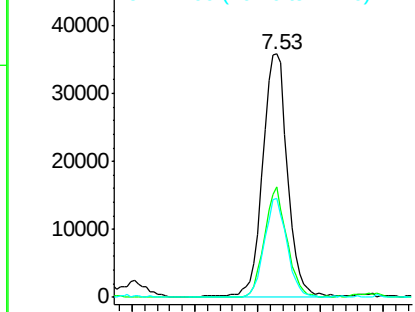
#29
Tetrahydrofuran
Concen: 118.398 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW008648.D
Acq: 13 Feb 2019 19:44

Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-N

Tot Ion: 42 Resp: 98780
Ion Ratio Lower Upper
42 100
72 40.6 32.2 48.2
71 36.8 31.0 46.6

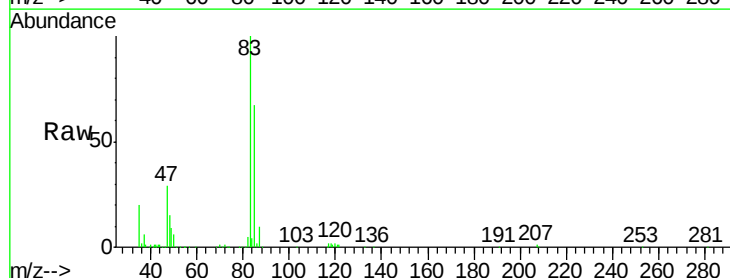


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

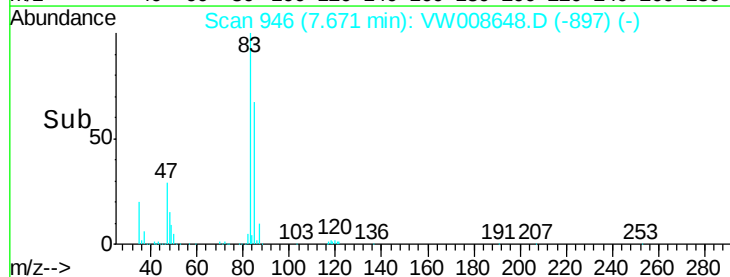
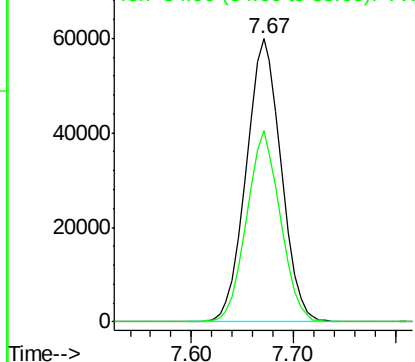


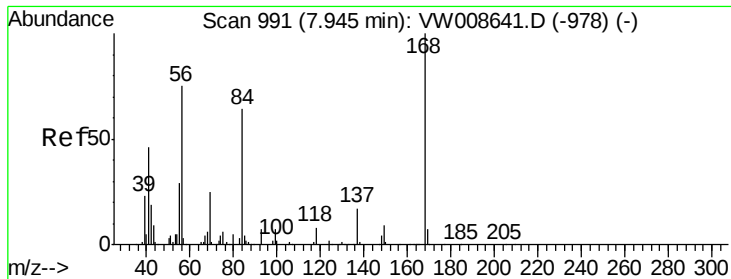
#30
Chloroform
Concen: 19.935 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW008648.D
Acq: 13 Feb 2019 19:44

Tgt Ion: 83 Resp: 142579
Ion Ratio Lower Upper
83 100
85 67.4 49.8 74.8



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

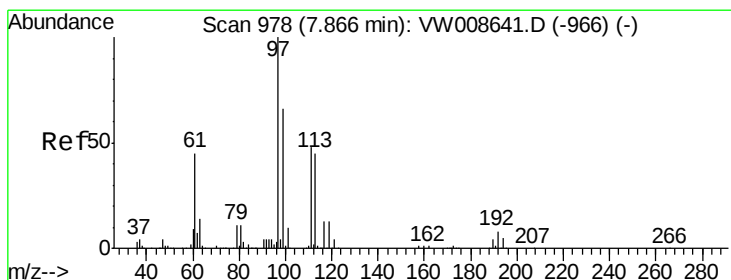
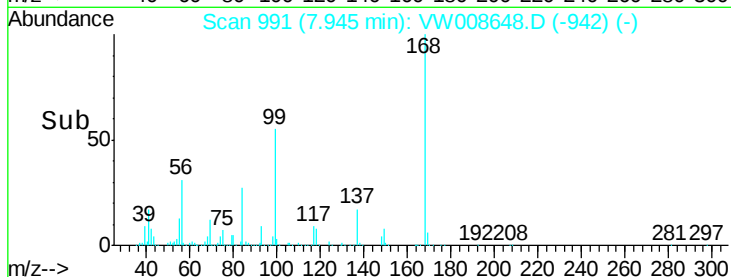
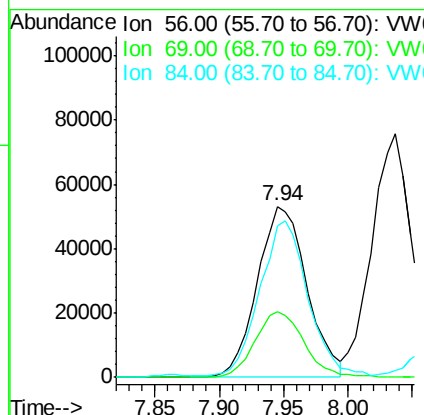
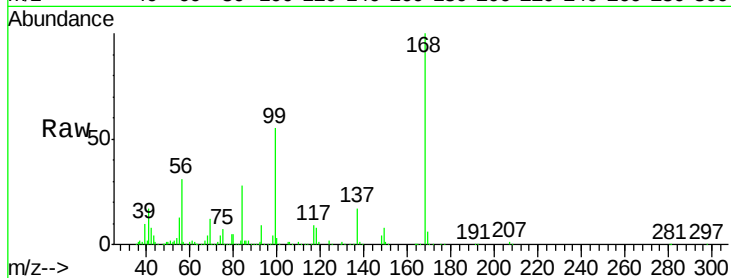




#31
Cyclohexane
Concen: 19.681 ug/l
RT: 7.94 min Scan# 991
Delta R.T. -0.00 min
Lab File: VW008648.D
Acq: 13 Feb 2019 19:44

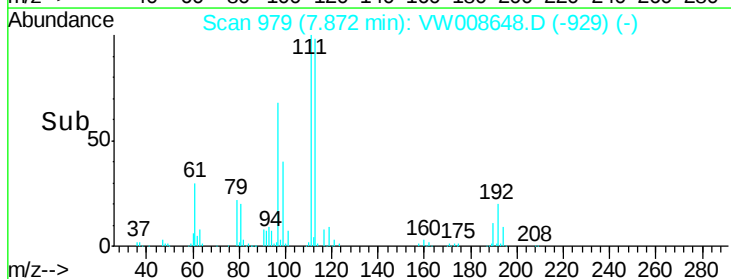
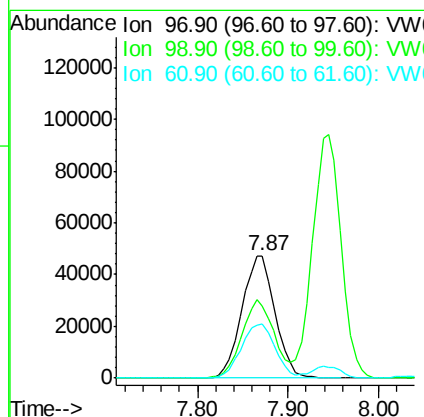
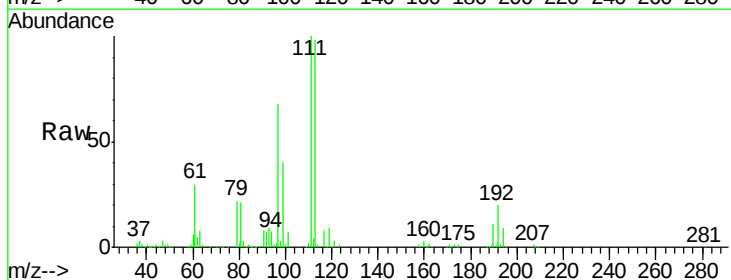
Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-N

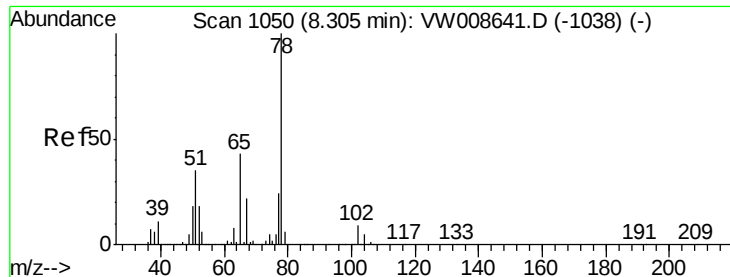
Tot Ion: 56 Resp: 141794
Ion Ratio Lower Upper
56 100
69 38.2 26.4 39.6
84 87.6 67.4 101.2



#32
1,1,1-Trichloroethane
Concen: 19.776 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW008648.D
Acq: 13 Feb 2019 19:44

Tgt Ion: 97 Resp: 119457
Ion Ratio Lower Upper
97 100
99 62.6 51.6 77.4
61 45.7 35.8 53.6





#33

1,2-Dichloroethane-d4

Concen: 51.099 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008648.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

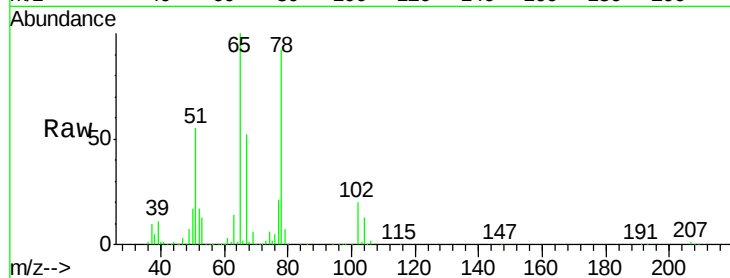
JC-02-021119-N

Tot Ion: 65 Resp: 201298

Ion Ratio Lower Upper

65 100

67 52.2 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.30

100000

80000

60000

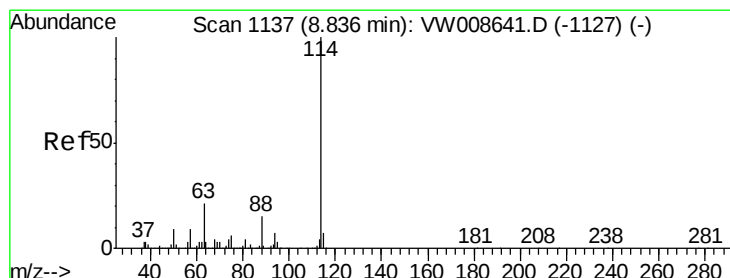
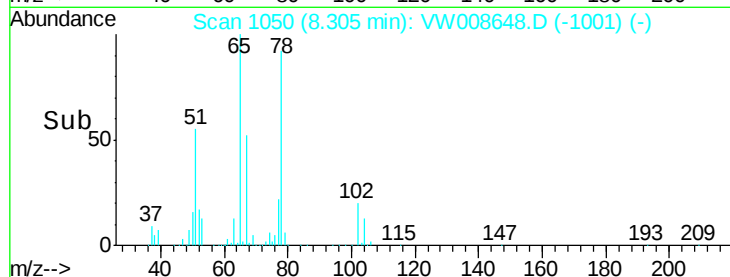
40000

20000

0

Time-->

8.20 8.25 8.30 8.35 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VW008648.D

Acq: 13 Feb 2019 19:44

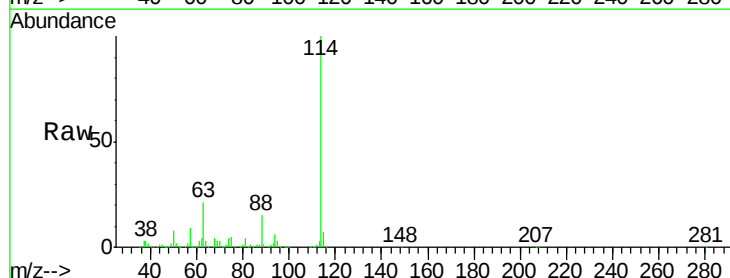
Tgt Ion: 114 Resp: 579165

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.2

88 15.4 0.0 29.6



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

400000

300000

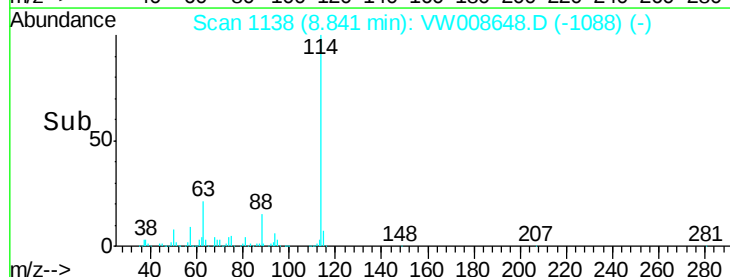
200000

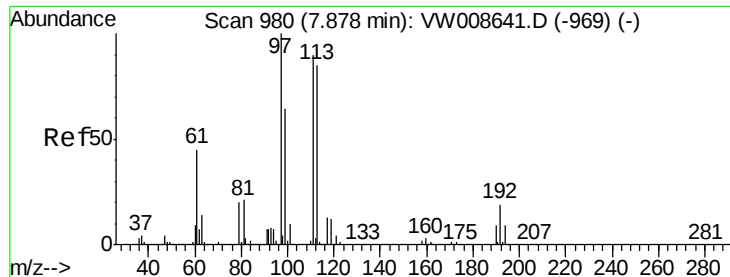
100000

0

Time-->

8.70 8.80 8.90 9.00

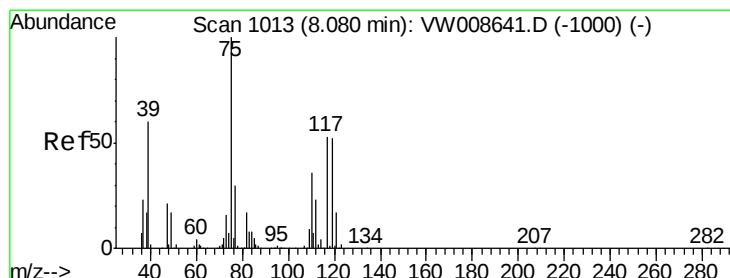
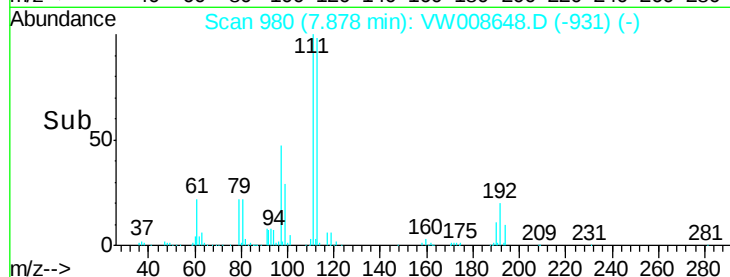
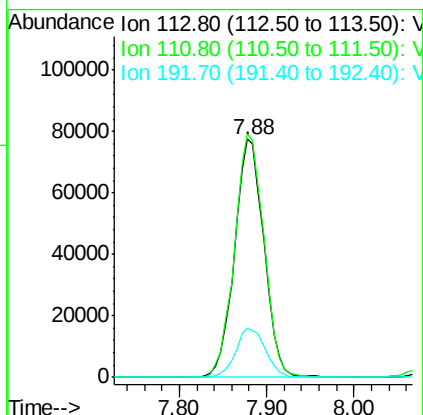
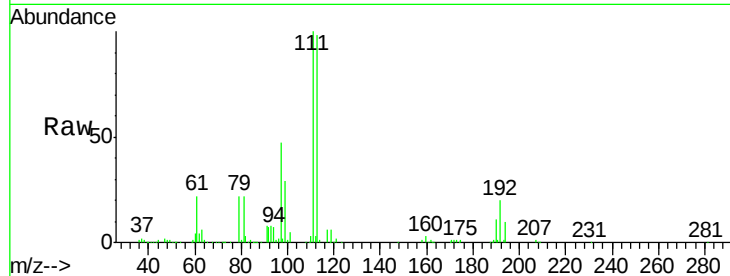




#35
 Dibromofluoromethane
 Concen: 50.283 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW008648.D
 Acq: 13 Feb 2019 19:44

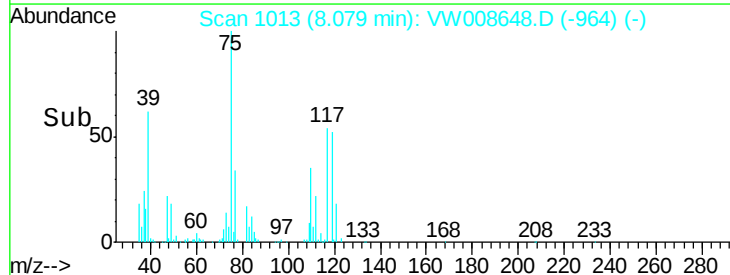
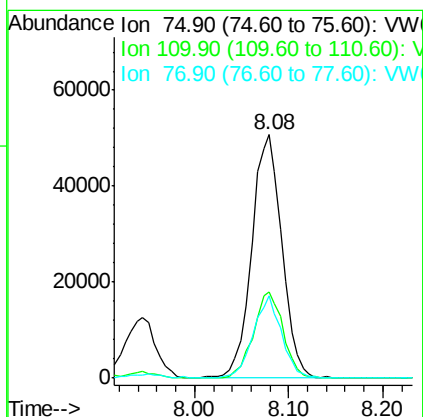
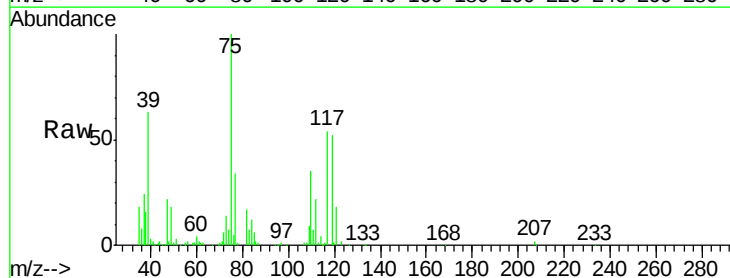
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-021119-N

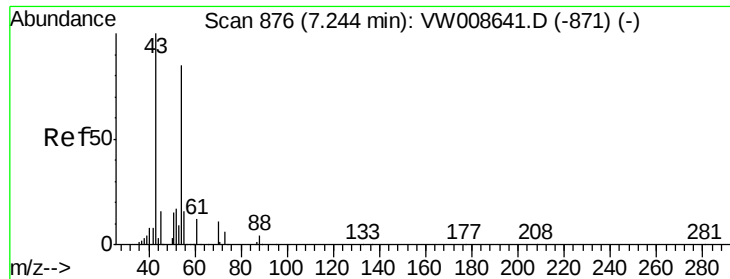
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	84.0	126.0
192	20.9	17.4	26.2



#36
 1,1-Dichloropropene
 Concen: 19.653 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW008648.D
 Acq: 13 Feb 2019 19:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.8	53.3
77	31.8	24.7	37.1

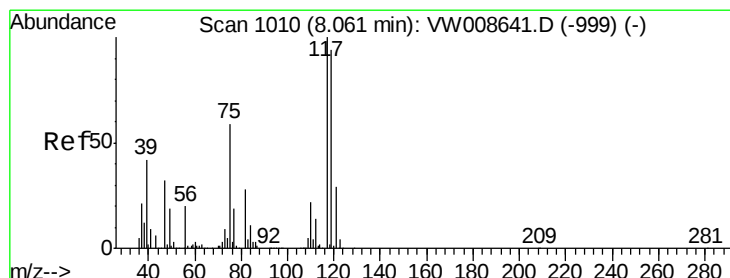
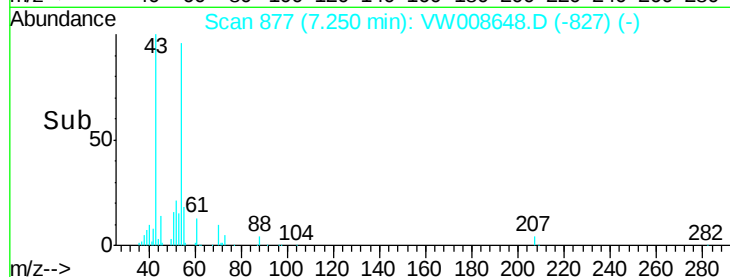
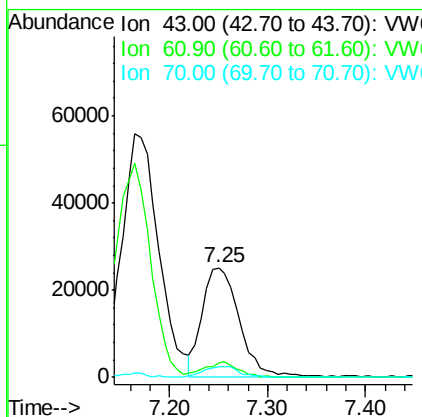
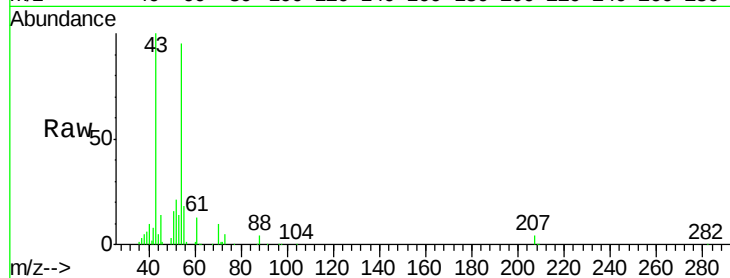




#37
Ethyl Acetate
Concen: 23.311 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: VW008648.D
Acq: 13 Feb 2019 19:44

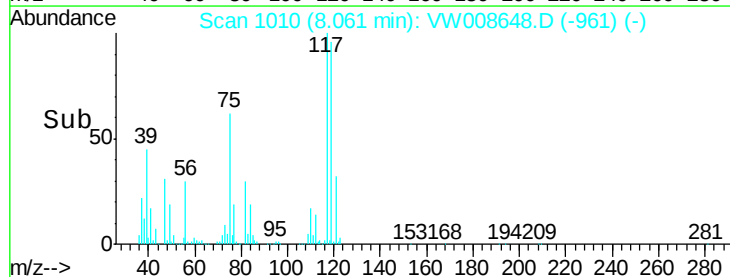
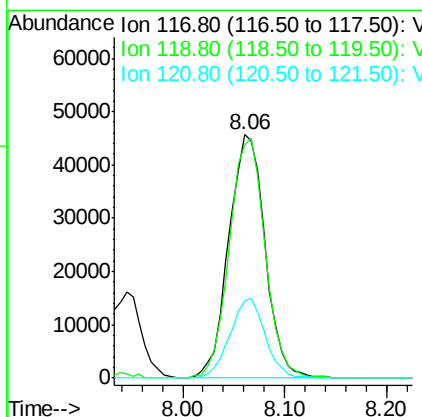
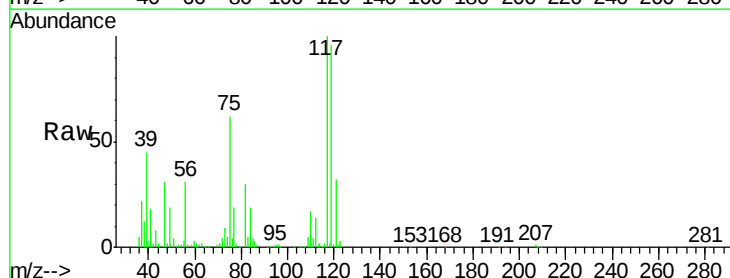
Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-N

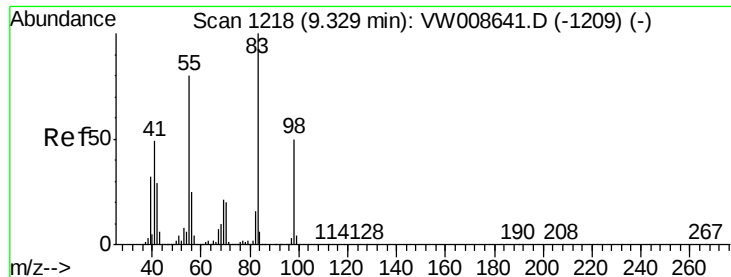
Tot Ion: 43 Resp: 65431
Ion Ratio Lower Upper
43 100
61 12.9 10.5 15.7
70 10.0 8.1 12.1



#38
Carbon Tetrachloride
Concen: 19.455 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VW008648.D
Acq: 13 Feb 2019 19:44

Tgt Ion: 117 Resp: 112569
Ion Ratio Lower Upper
117 100
119 95.7 75.1 112.7
121 31.7 23.5 35.3

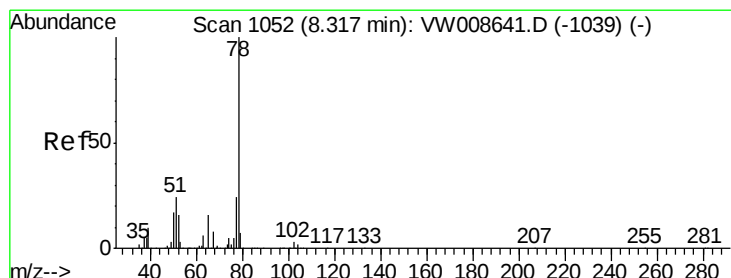
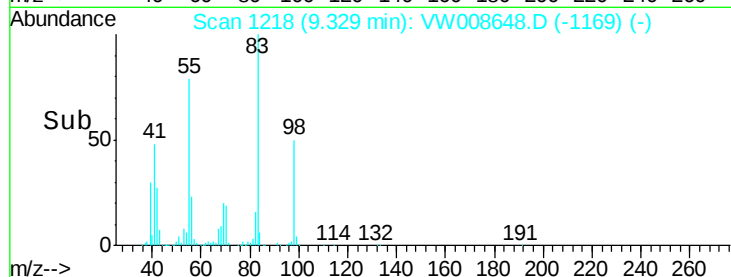
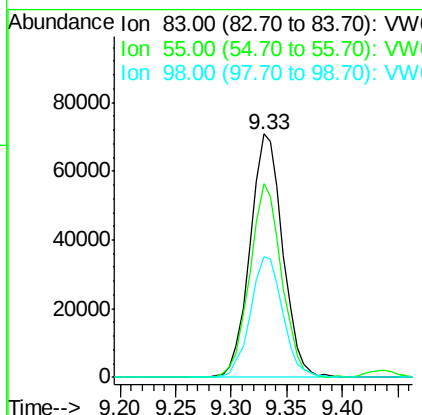
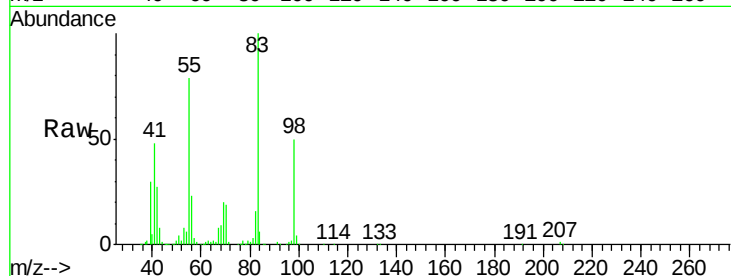




#39
Methvlcvclohexane
Concen: 19.672 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.00 min
Lab File: VW008648.D
Acq: 13 Feb 2019 19:44

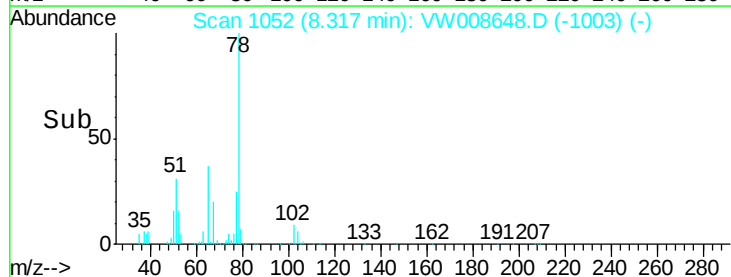
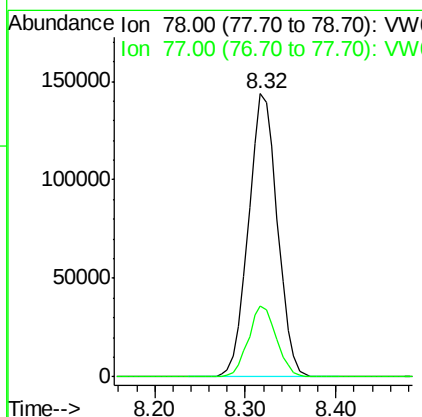
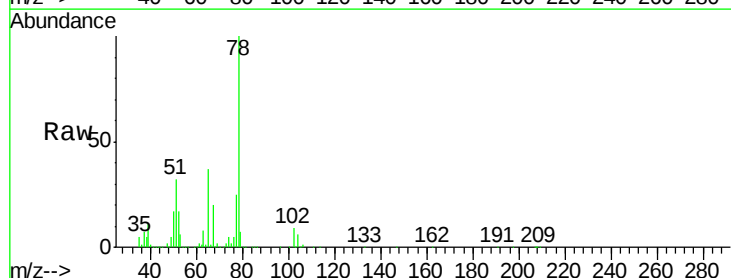
Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-N

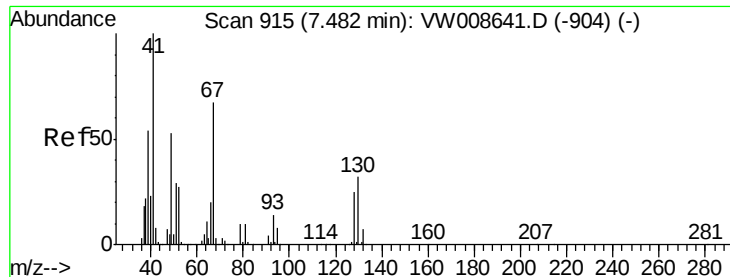
Tot Ion: 83 Resp: 144781
Ion Ratio Lower Upper
83 100
55 79.2 63.9 95.9
98 49.6 40.2 60.2



#40
Benzene
Concen: 19.939 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW008648.D
Acq: 13 Feb 2019 19:44

Tgt Ion: 78 Resp: 316863
Ion Ratio Lower Upper
78 100
77 24.9 19.5 29.3

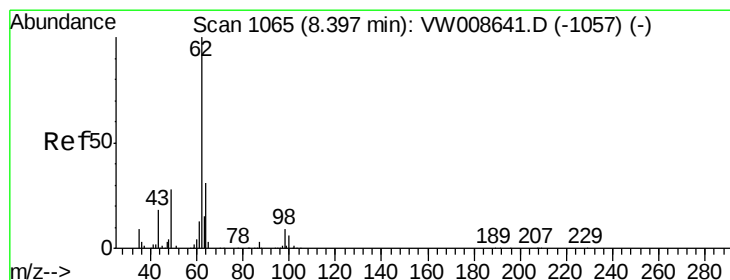
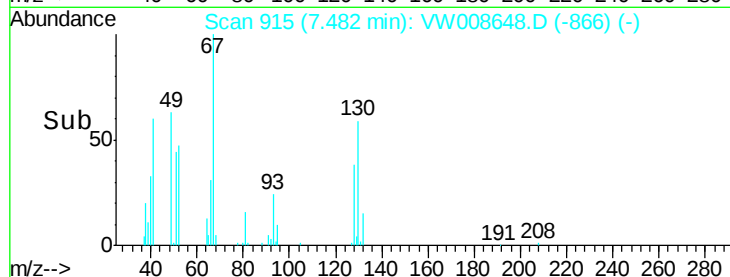
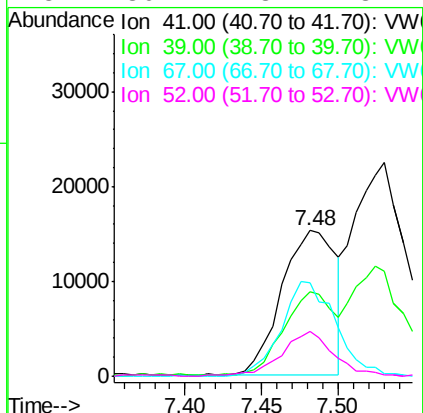
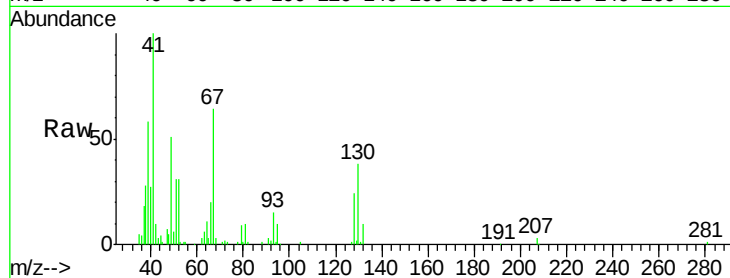




#41
Methacrylonitrile
Concen: 23.732 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW008648.D
Acq: 13 Feb 2019 19:44

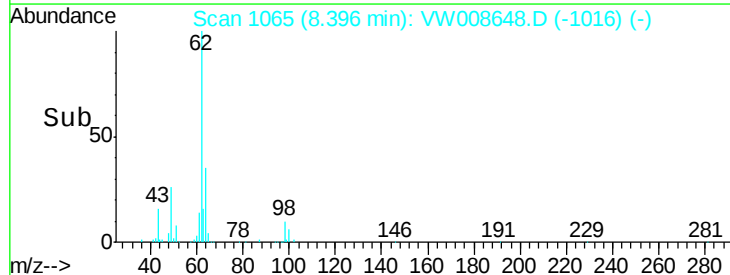
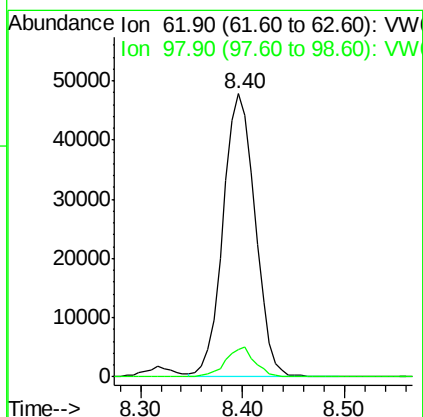
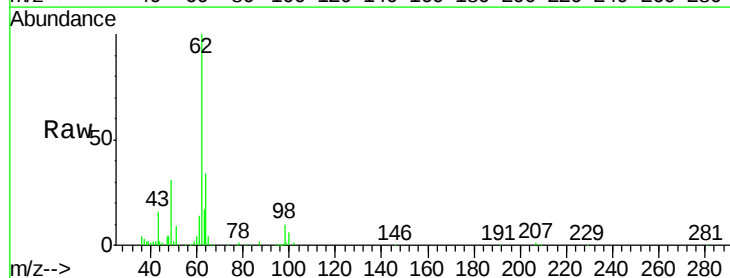
Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-N

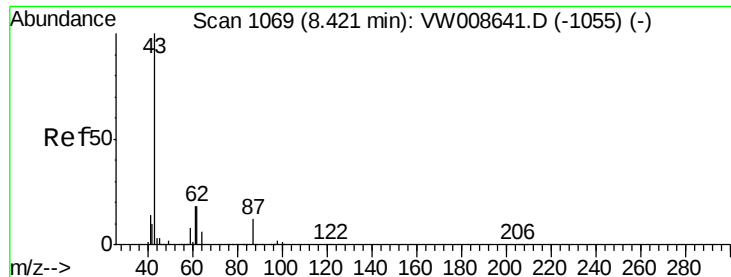
Tot Ion:	41	Resp:	37479
Ion	Ratio	Lower	Upper
41	100		
39	54.1	39.7	59.5
67	66.1	52.5	78.7
52	30.4	23.1	34.7



#42
1,2-Dichloroethane
Concen: 21.142 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW008648.D
Acq: 13 Feb 2019 19:44

Tgt Ion:	62	Resp:	104212
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.2



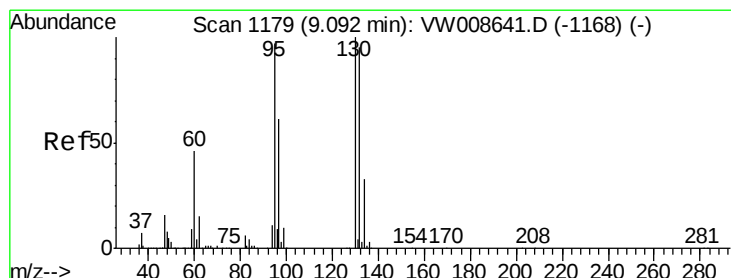
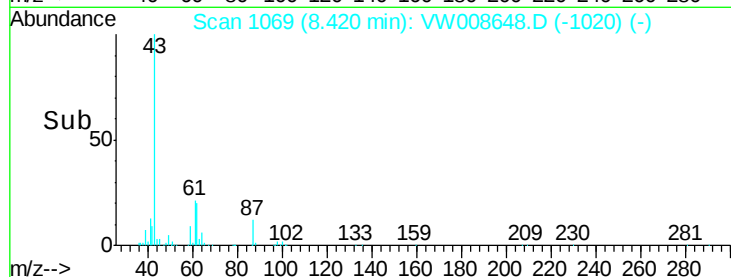
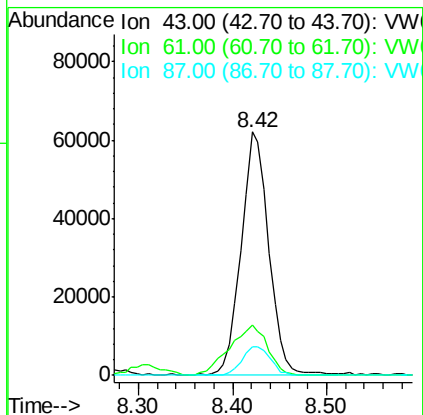
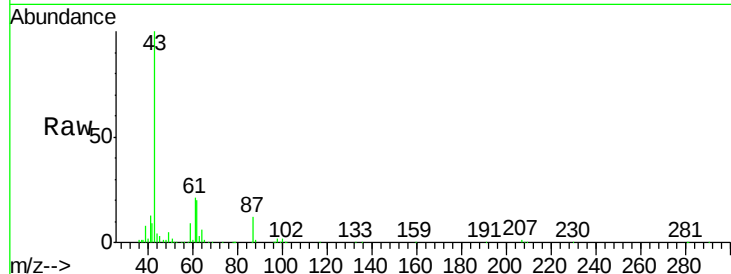


#43

Isopropyl Acetate
 Concen: 22.649 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. -0.00 min
 Lab File: VW008648.D
 Acq: 13 Feb 2019 19:44

Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-021119-N

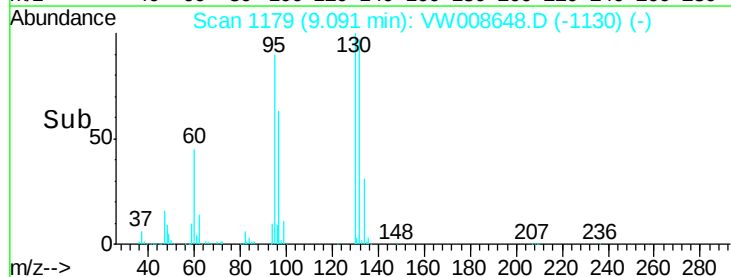
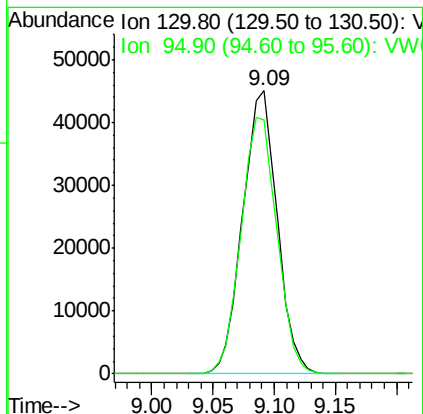
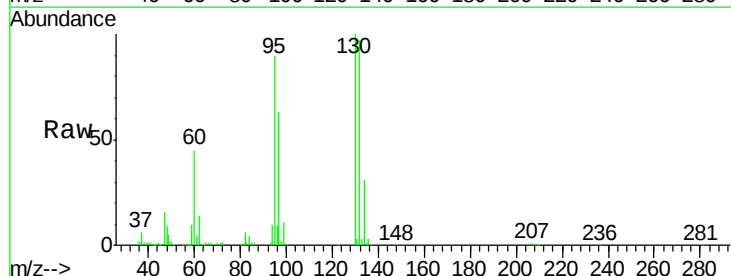
Tot Ion: 43 Resp: 126764
 Ion Ratio Lower Upper
 43 100
 61 28.4 21.4 32.2
 87 12.0 9.8 14.8

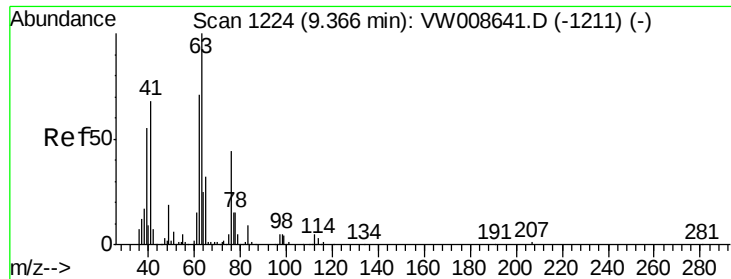


#44

Trichloroethene
 Concen: 20.204 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW008648.D
 Acq: 13 Feb 2019 19:44

Tgt Ion: 130 Resp: 89023
 Ion Ratio Lower Upper
 130 100
 95 89.8 0.0 193.4

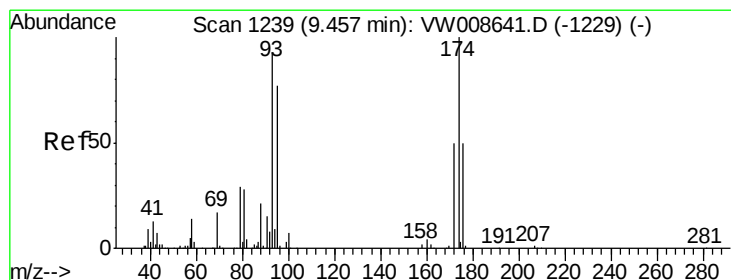
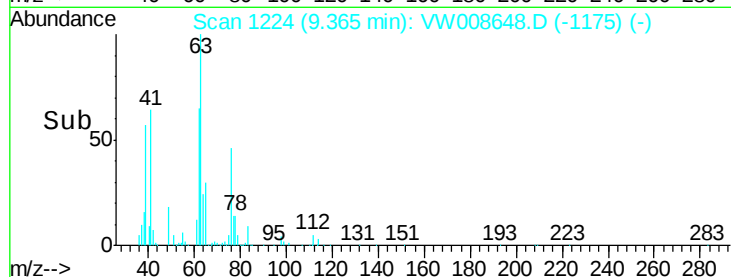
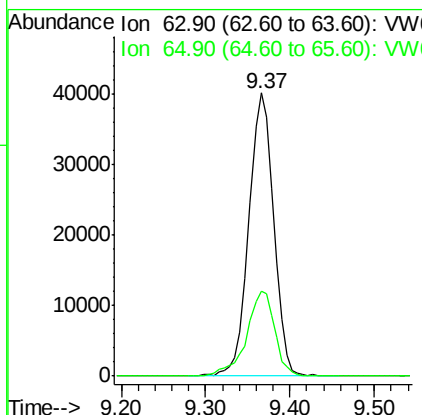
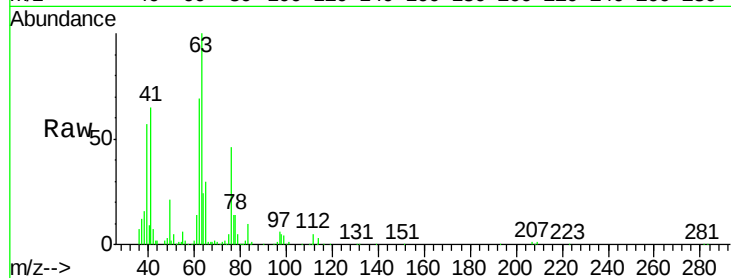




#45
 1,2-Dichloropropane
 Concen: 20.381 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW008648.D
 Acq: 13 Feb 2019 19:44

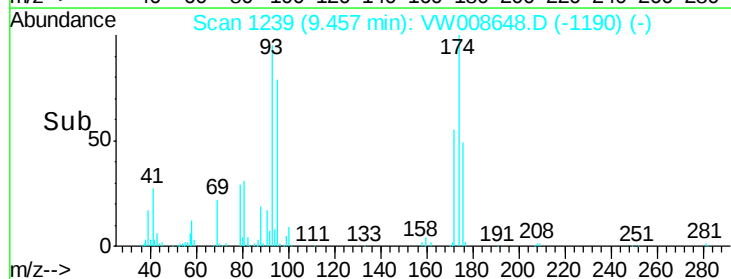
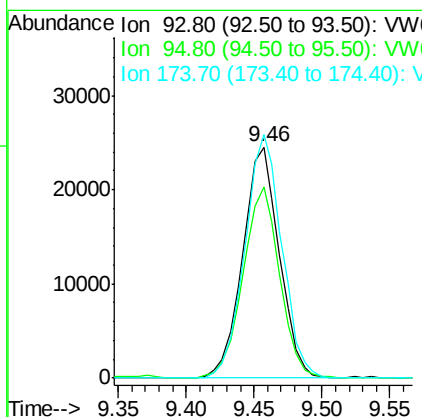
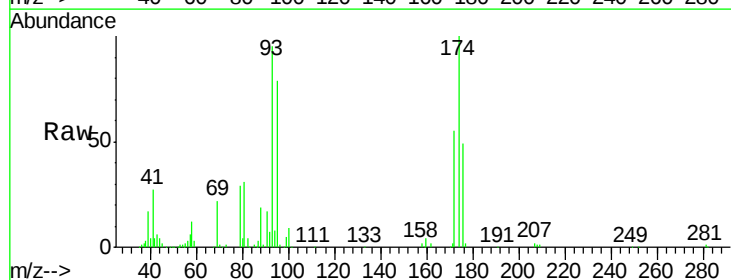
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-021119-N

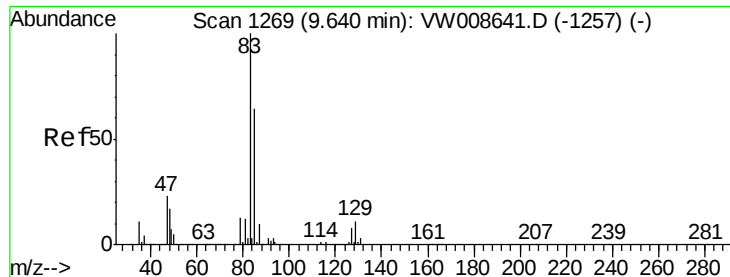
Tot Ion: 63 Resp: 80156
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.4 38.0



#46
 Dibromomethane
 Concen: 21.324 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW008648.D
 Acq: 13 Feb 2019 19:44

Tgt Ion: 93 Resp: 46198
 Ion Ratio Lower Upper
 93 100
 95 83.0 65.8 98.8
 174 106.2 82.5 123.7

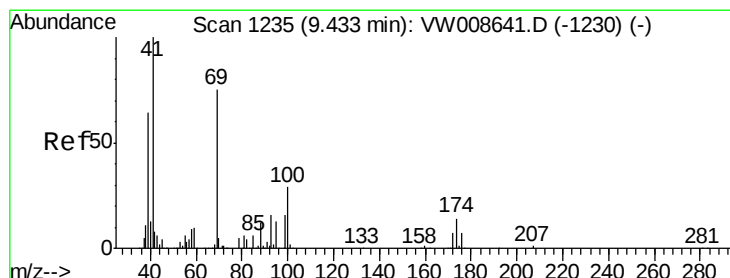
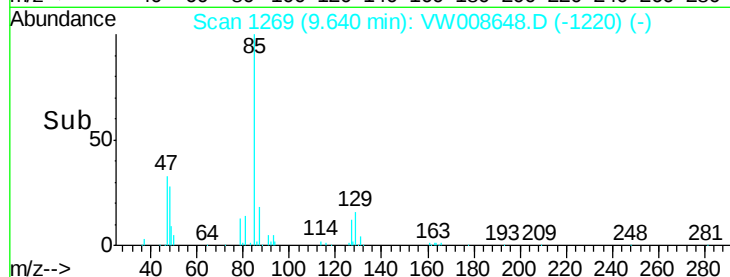
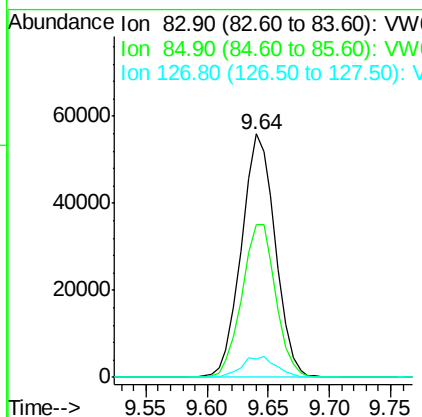
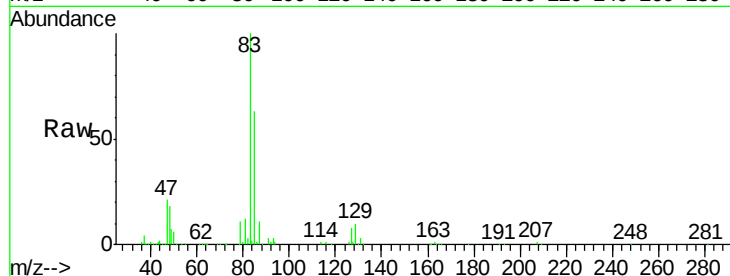




#47
Bromodichloromethane
Concen: 20.618 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW008648.D
Acq: 13 Feb 2019 19:44

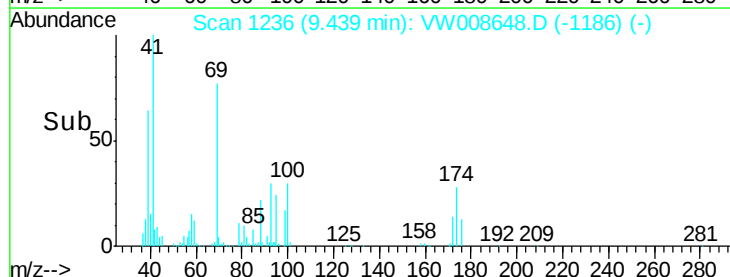
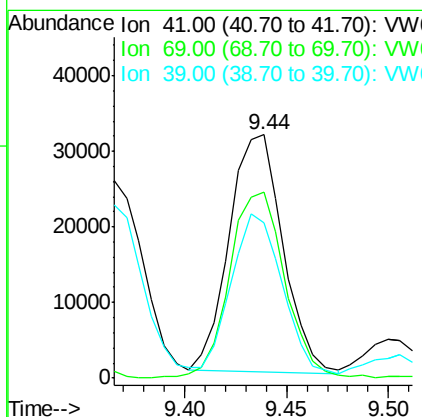
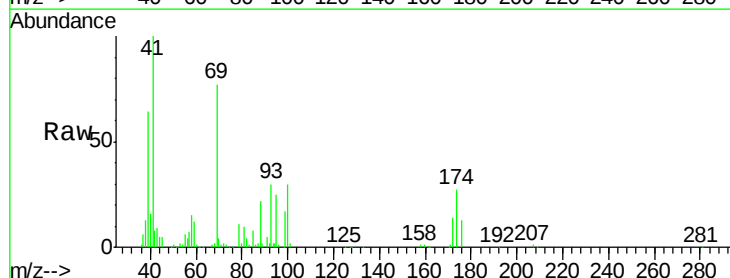
Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-N

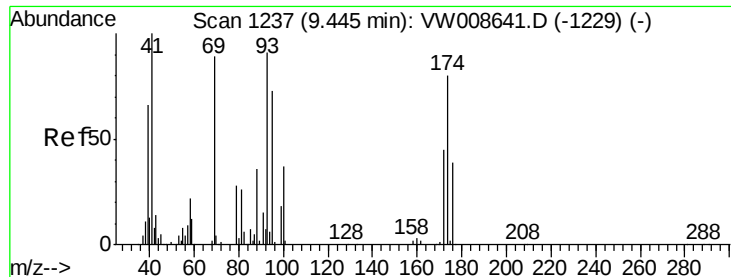
Tot Ion: 83 Resp: 107351
Ion Ratio Lower Upper
83 100
85 62.8 51.2 76.8
127 7.6 6.4 9.6



#48
Methyl methacrylate
Concen: 22.052 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW008648.D
Acq: 13 Feb 2019 19:44

Tgt Ion: 41 Resp: 57199
Ion Ratio Lower Upper
41 100
69 80.5 64.1 96.1
39 67.5 52.3 78.5

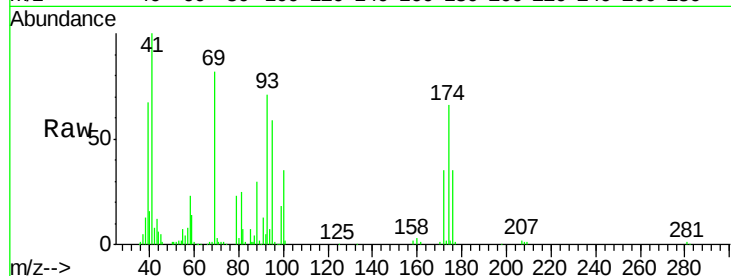




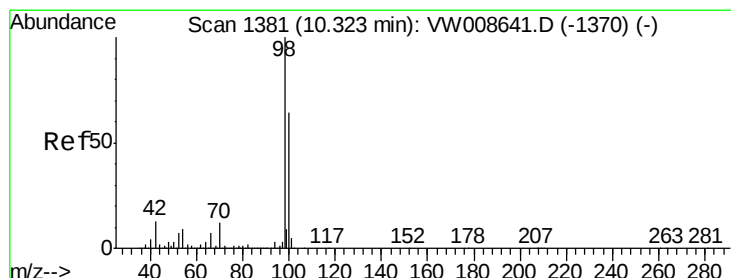
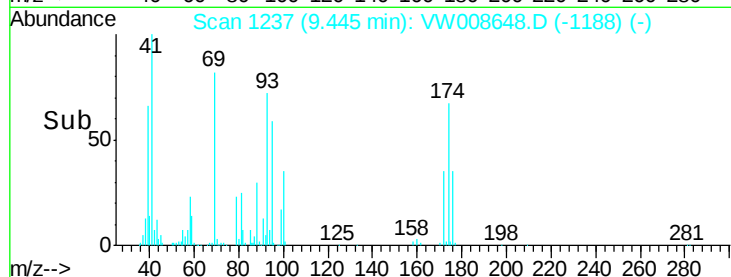
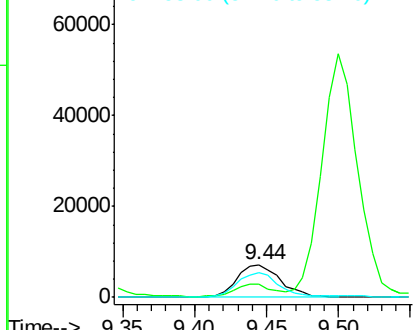
#49
1,4-Dioxane
Concen: 441.589 ug/l
RT: 9.44 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW008648.D
Acq: 13 Feb 2019 19:44

Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-N

Tot Ion: 88 Resp: 15271
Ion Ratio Lower Upper
88 100
43 32.7 31.0 46.6
58 75.2 57.0 85.6

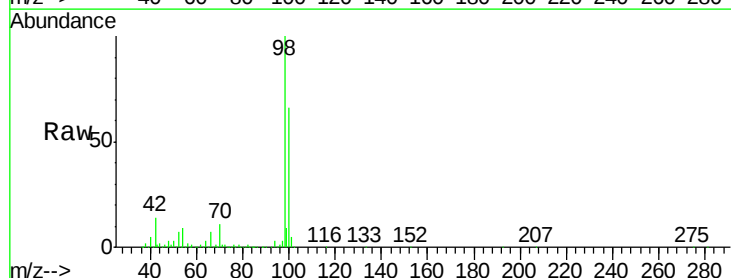


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

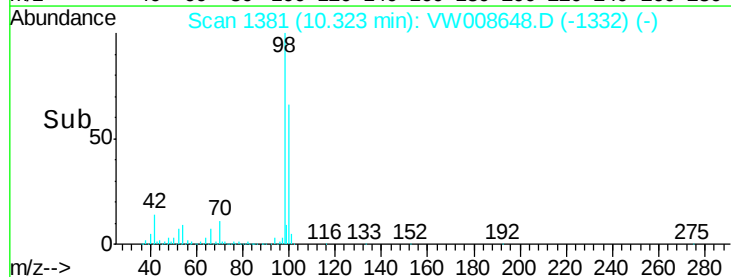
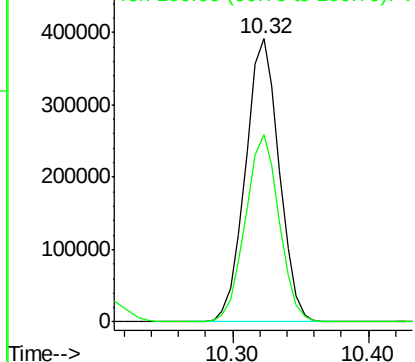


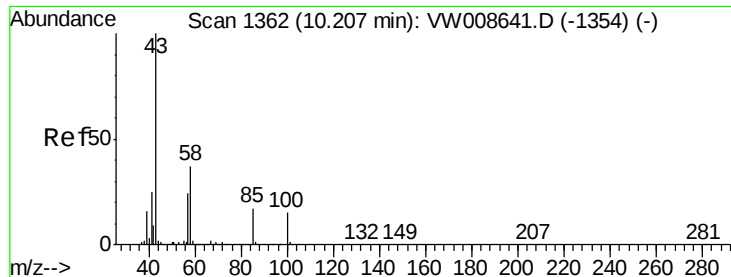
#50
Toluene-d8
Concen: 49.080 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008648.D
Acq: 13 Feb 2019 19:44

Tgt Ion: 98 Resp: 680405
Ion Ratio Lower Upper
98 100
100 66.1 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 115.425 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW008648.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

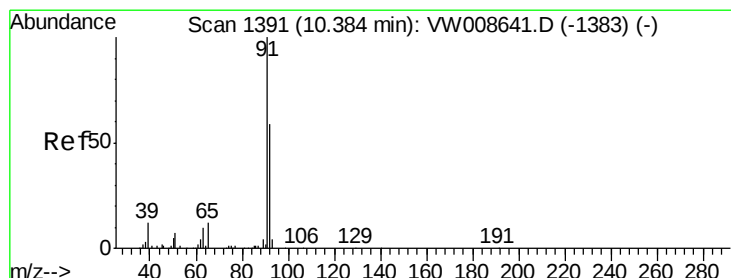
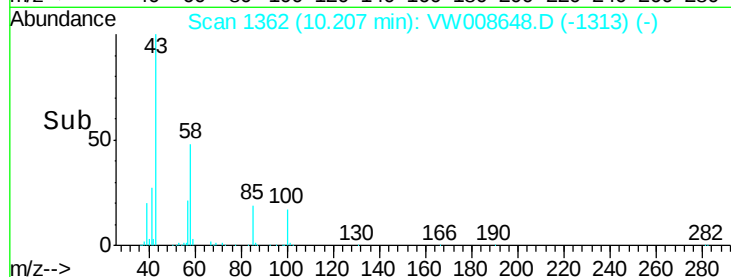
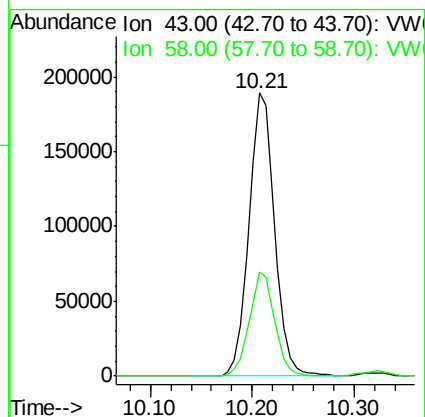
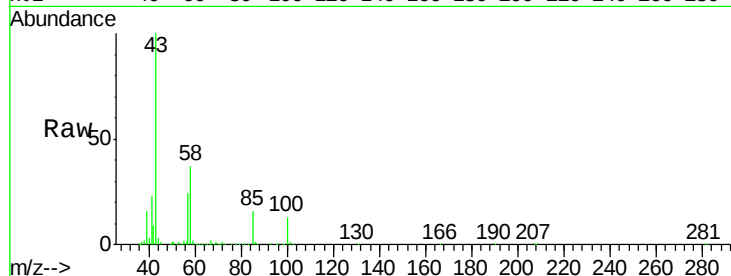
JC-02-021119-N

Tot Ion: 43 Resp: 331855

Ion Ratio Lower Upper

43 100

58 36.5 29.0 43.6



#52

Toluene

Concen: 20.101 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008648.D

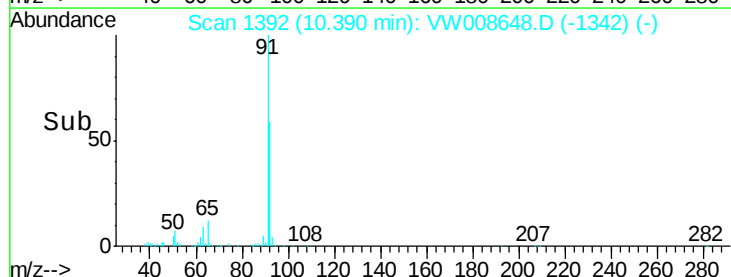
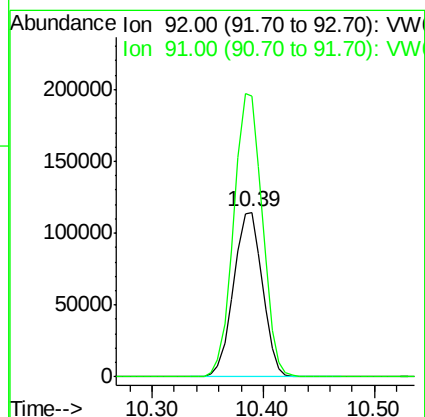
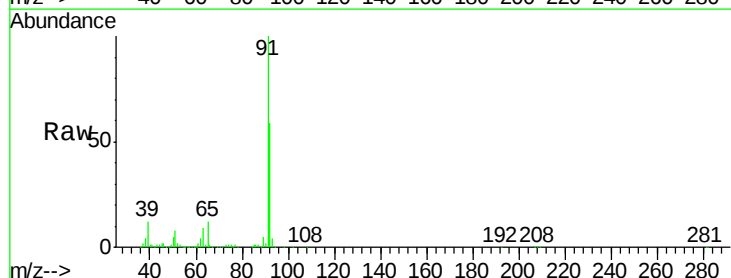
Acq: 13 Feb 2019 19:44

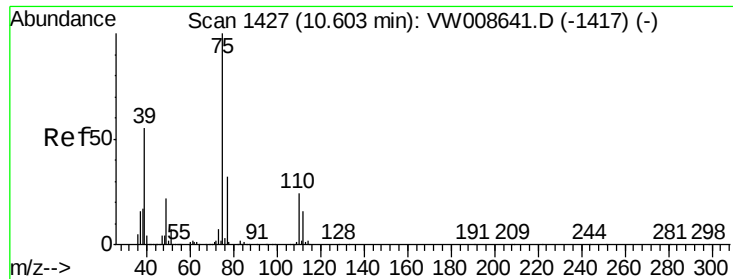
Tgt Ion: 92 Resp: 206075

Ion Ratio Lower Upper

92 100

91 170.6 135.8 203.6





#53

t-1,3-Dichloropropene

Concen: 20.226 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW008648.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

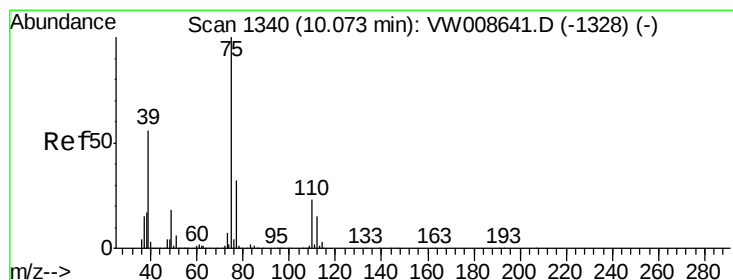
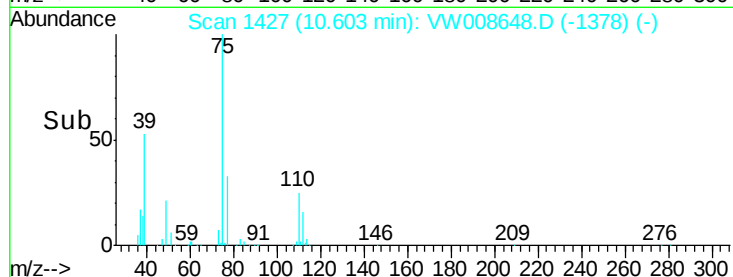
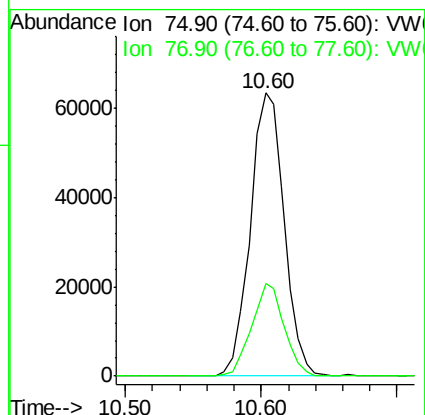
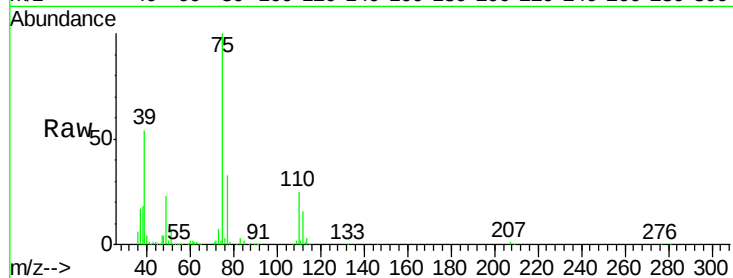
JC-02-021119-N

Tot Ion: 75 Resp: 110635

Ion Ratio Lower Upper

75 100

77 32.6 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 20.658 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW008648.D

Acq: 13 Feb 2019 19:44

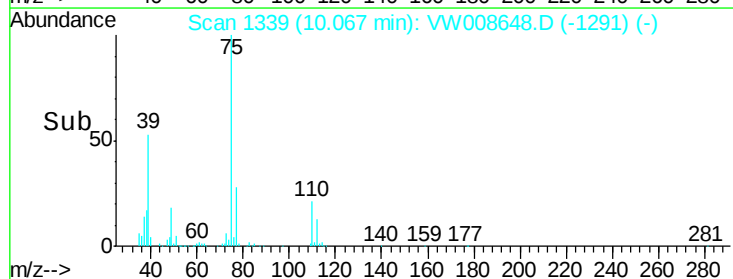
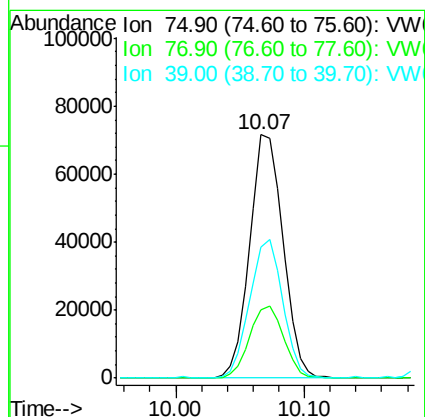
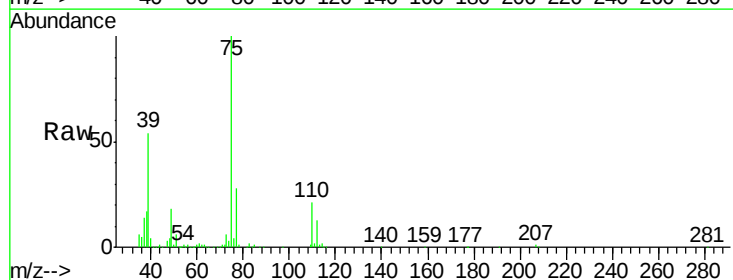
Tgt Ion: 75 Resp: 128088

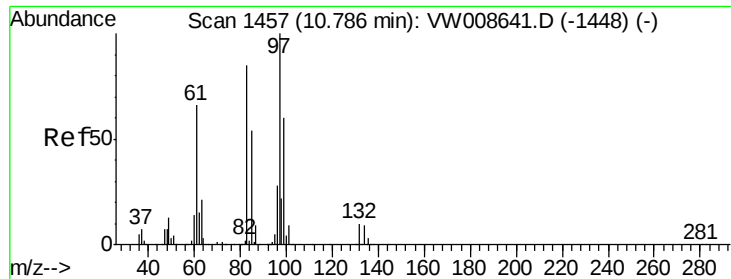
Ion Ratio Lower Upper

75 100

77 27.9 25.4 38.0

39 53.7 44.5 66.7

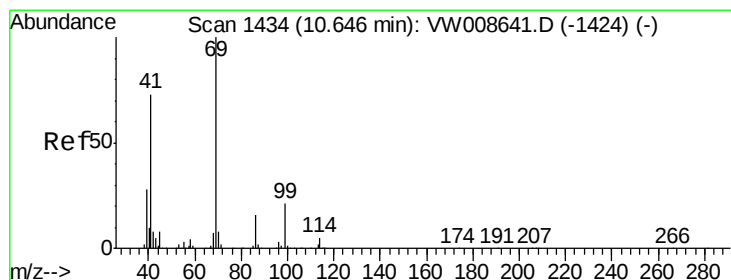
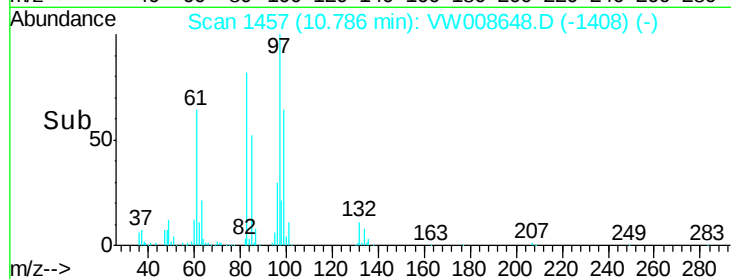
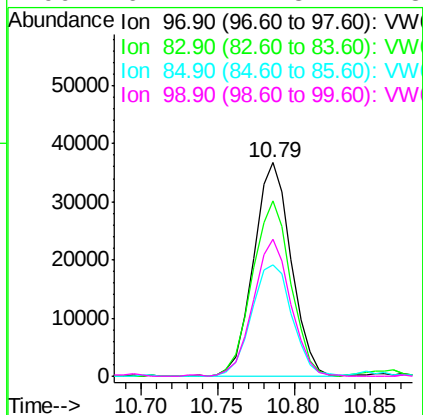
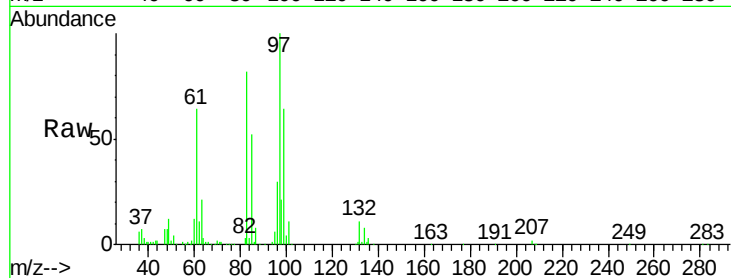




#55
 1,1,2-Trichloroethane
 Concen: 21.202 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008648.D
 Acq: 13 Feb 2019 19:44

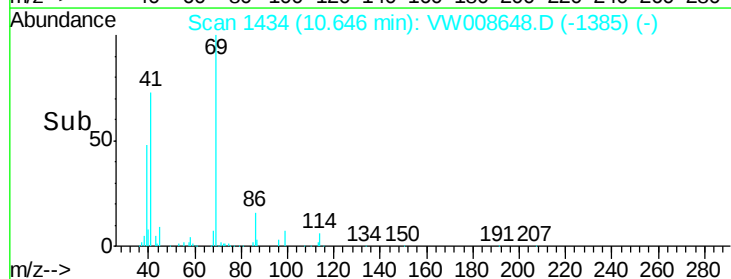
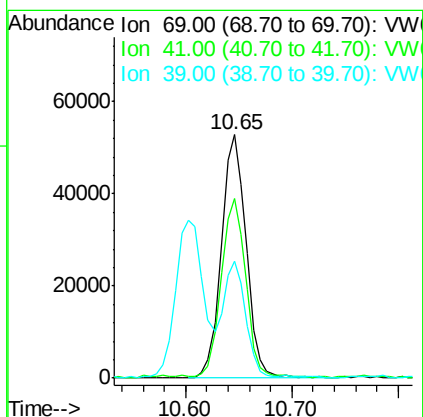
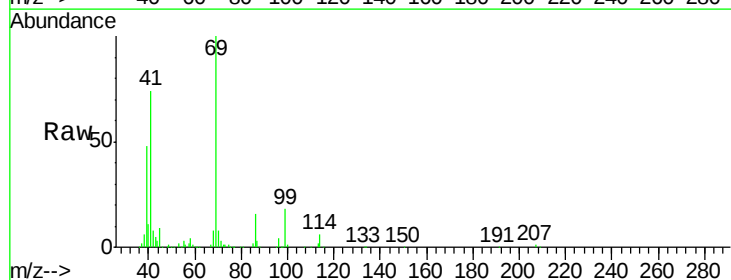
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-021119-N

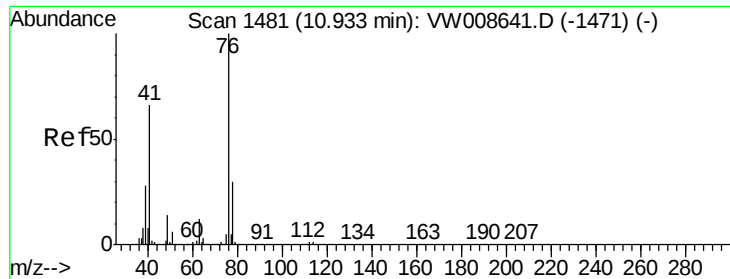
Tot Ion:	97	Resp:	63027
Ion	Ratio	Lower	Upper
97	100		
83	82.1	68.4	102.6
85	52.4	43.1	64.7
99	64.1	47.8	71.8



#56
 Ethyl methacrylate
 Concen: 21.849 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008648.D
 Acq: 13 Feb 2019 19:44

Tgt Ion:	69	Resp:	86244
Ion	Ratio	Lower	Upper
69	100		
41	73.2	59.0	88.4
39	41.6	34.4	51.6

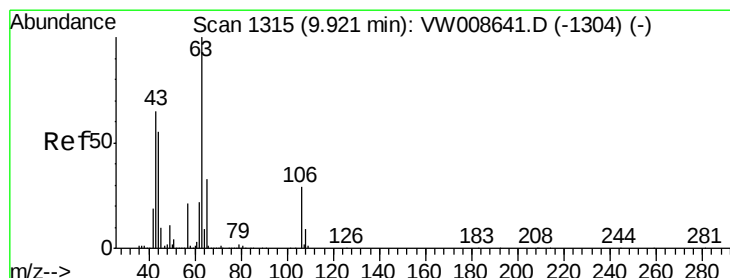
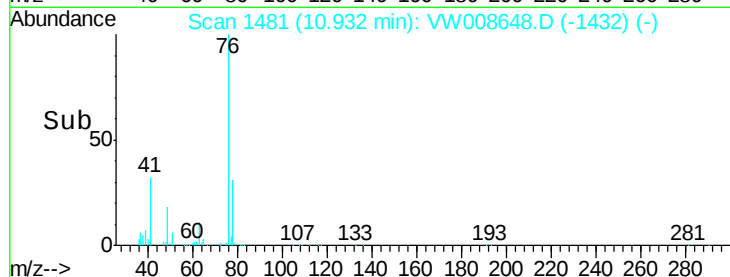
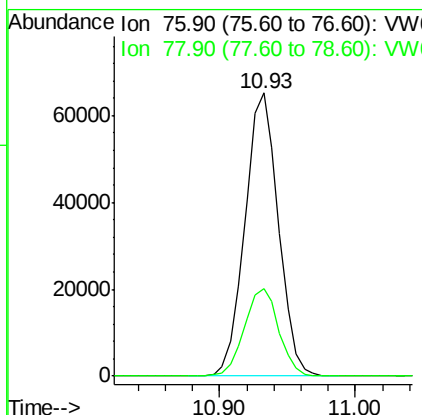
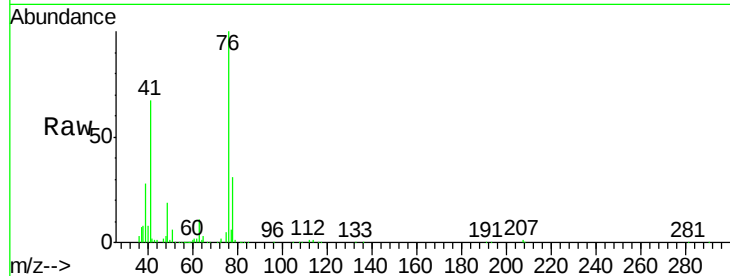




#57
 1,3-Dichloropropane
 Concen: 21.246 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008648.D
 Acq: 13 Feb 2019 19:44

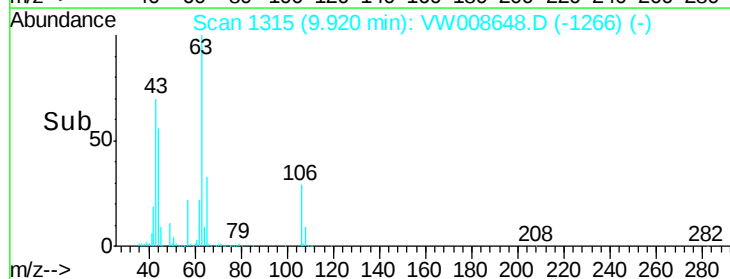
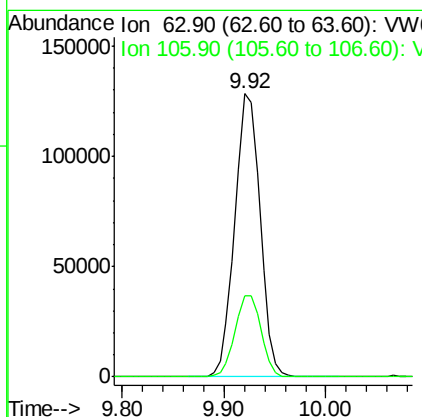
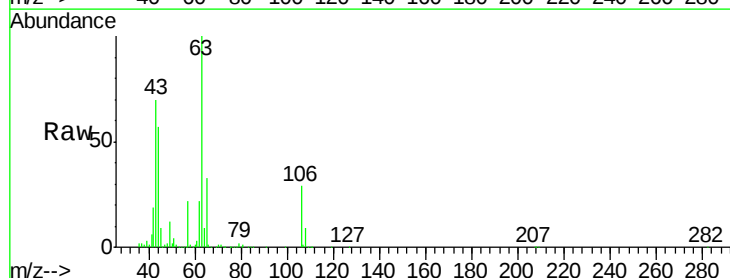
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-021119-N

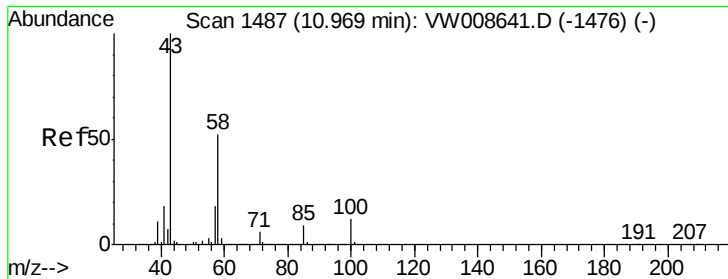
Tot Ion: 76 Resp: 112058
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 116.541 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW008648.D
 Acq: 13 Feb 2019 19:44

Tgt Ion: 63 Resp: 220675
 Ion Ratio Lower Upper
 63 100
 106 29.8 23.4 35.2

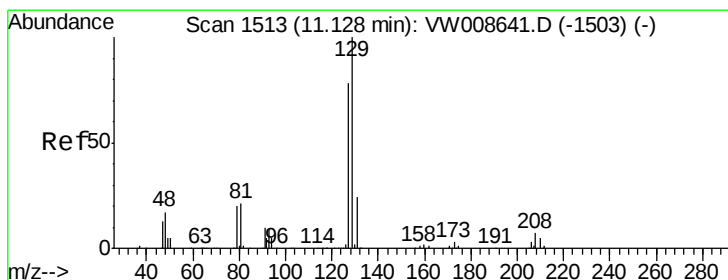
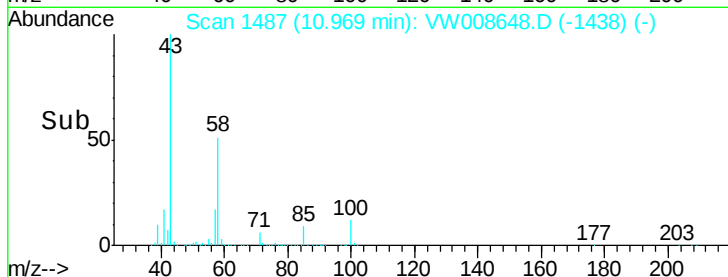
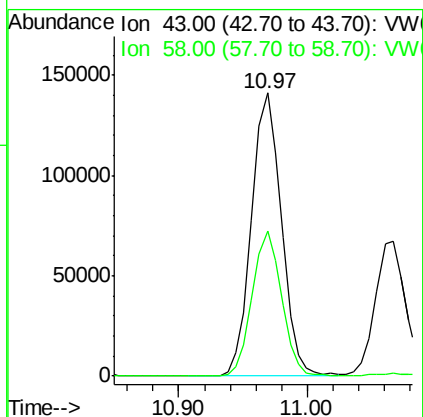
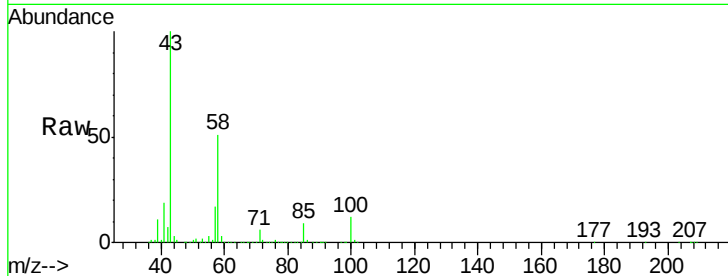




#59
2-Hexanone
Concen: 112.134 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008648.D
Acq: 13 Feb 2019 19:44

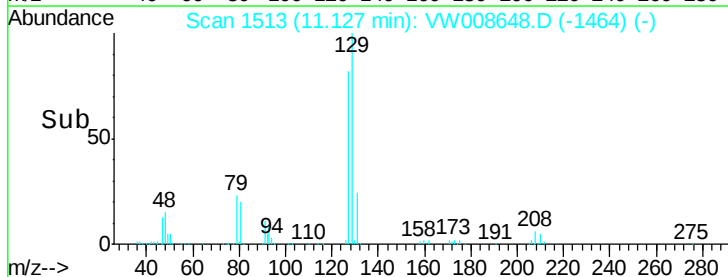
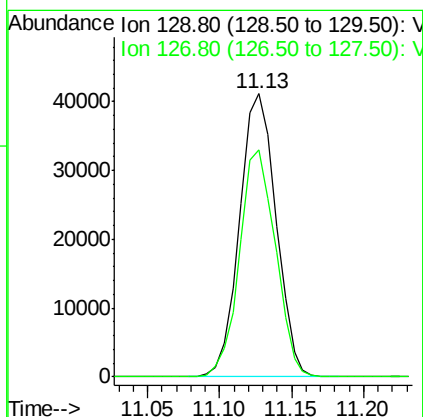
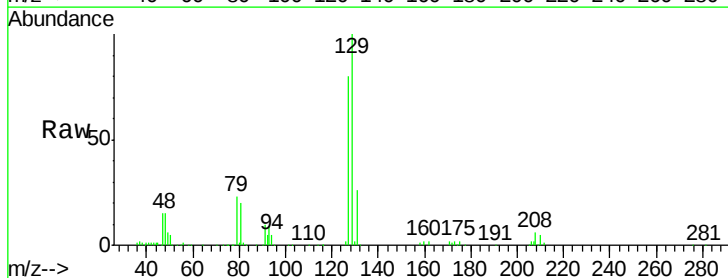
Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-N

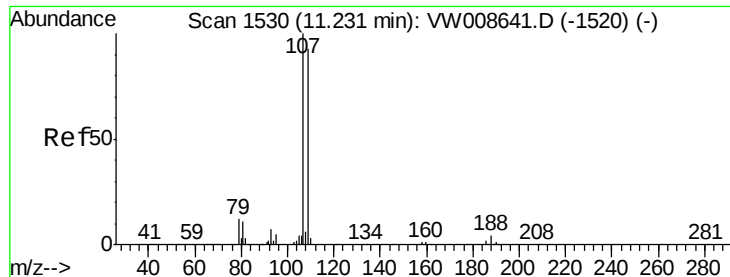
Tot Ion: 43 Resp: 226481
Ion Ratio Lower Upper
43 100
58 50.4 25.6 76.6



#60
Dibromochloromethane
Concen: 20.379 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008648.D
Acq: 13 Feb 2019 19:44

Tgt Ion: 129 Resp: 72486
Ion Ratio Lower Upper
129 100
127 78.7 38.5 115.3

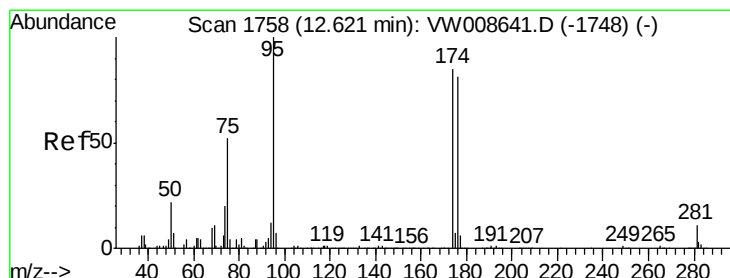
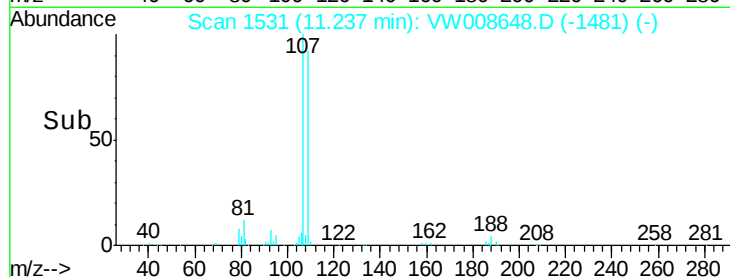
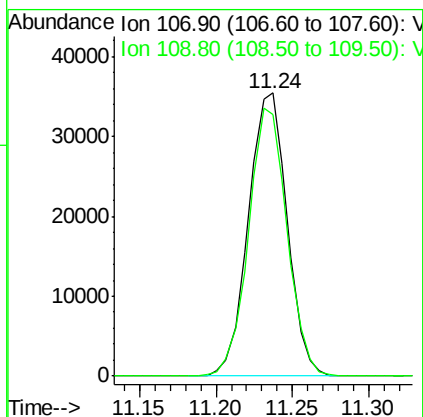
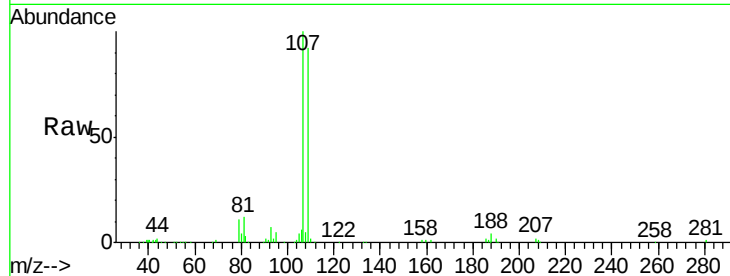




#61
 1,2-Dibromoethane
 Concen: 21.370 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW008648.D
 Acq: 13 Feb 2019 19:44

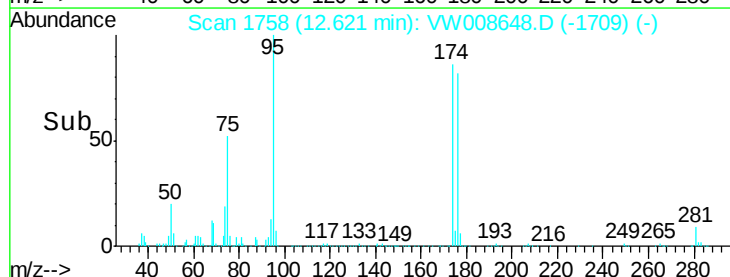
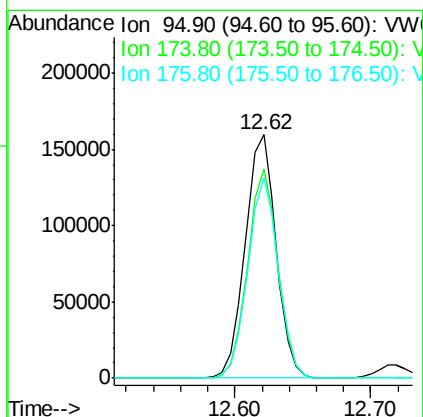
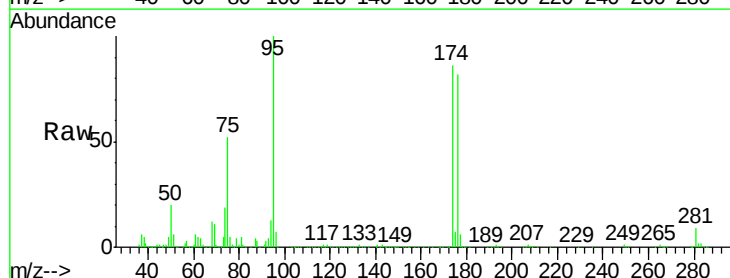
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-021119-N

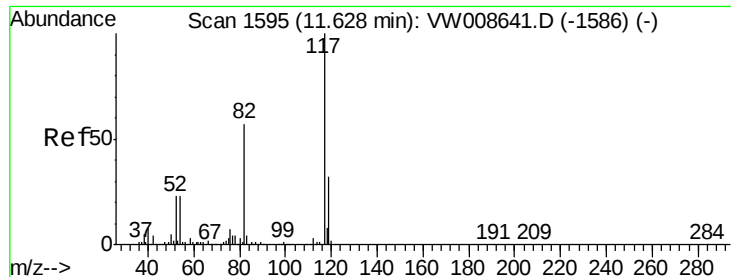
Tot Ion: 107 Resp: 62549
 Ion Ratio Lower Upper
 107 100
 109 93.9 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 48.496 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW008648.D
 Acq: 13 Feb 2019 19:44

Tgt Ion: 95 Resp: 253233
 Ion Ratio Lower Upper
 95 100
 174 84.8 0.0 163.2
 176 81.2 0.0 158.0

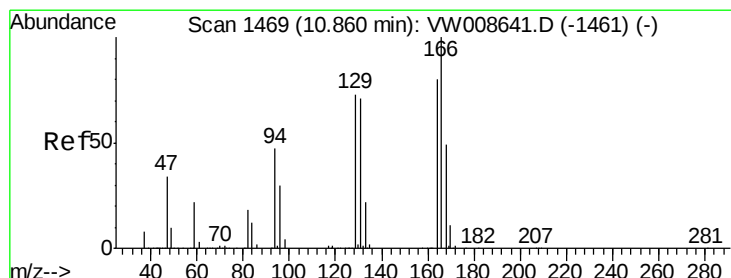
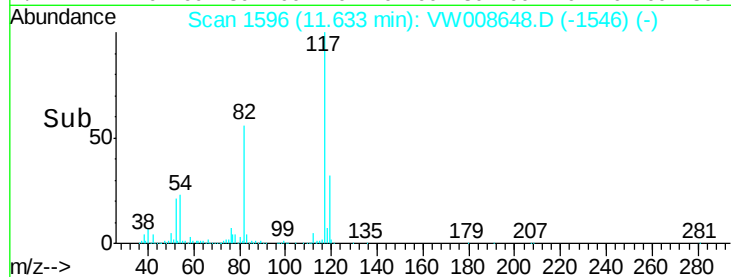
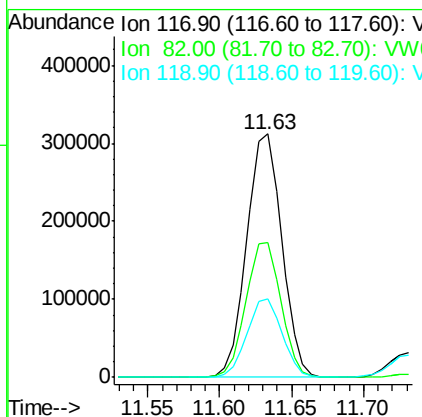
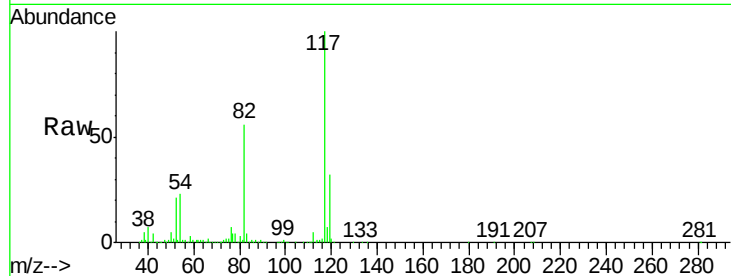




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW008648.D
Acq: 13 Feb 2019 19:44

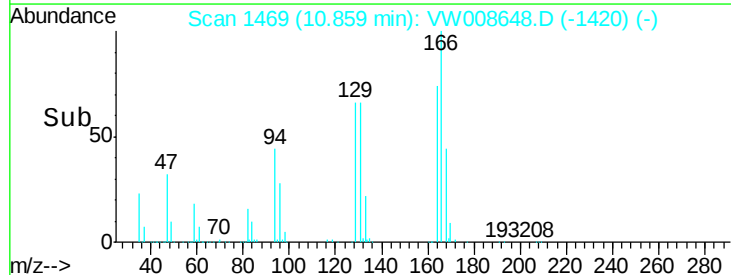
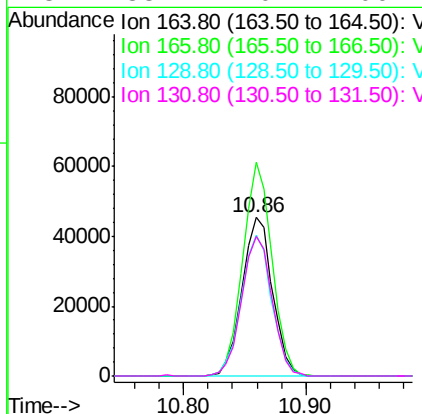
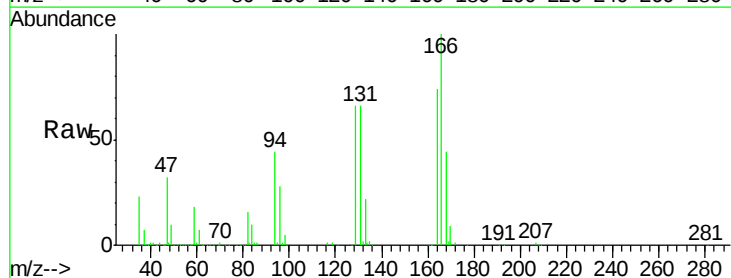
Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-N

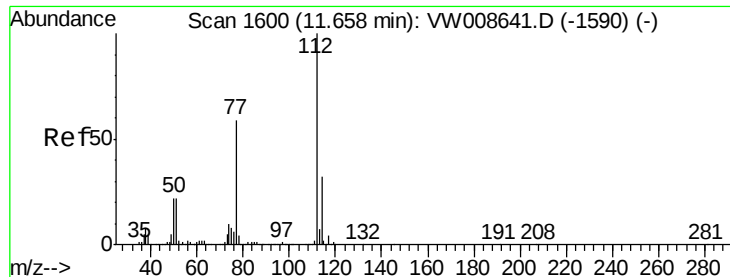
Tot Ion:117 Resp: 526541
Ion Ratio Lower Upper
117 100
82 55.6 45.6 68.4
119 32.3 25.7 38.5



#64
Tetrachloroethene
Concen: 20.072 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW008648.D
Acq: 13 Feb 2019 19:44

Tgt Ion:164 Resp: 78592
Ion Ratio Lower Upper
164 100
166 134.9 100.2 150.2
129 88.9 73.6 110.4
131 88.4 70.7 106.1





#65

Chlorobenzene

Concen: 19.857 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008648.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

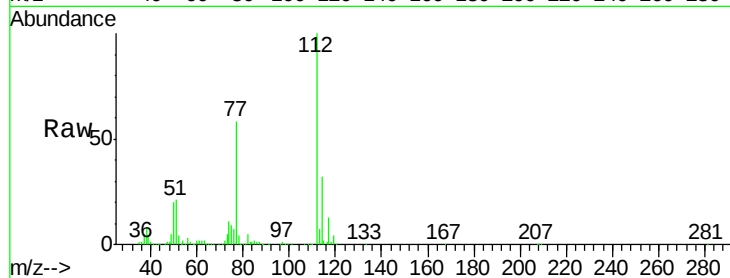
JC-02-021119-N

Tot Ion:112 Resp: 225357

Ion Ratio Lower Upper

112 100

114 32.3 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

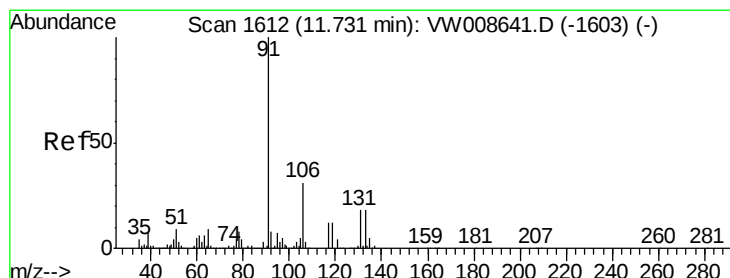
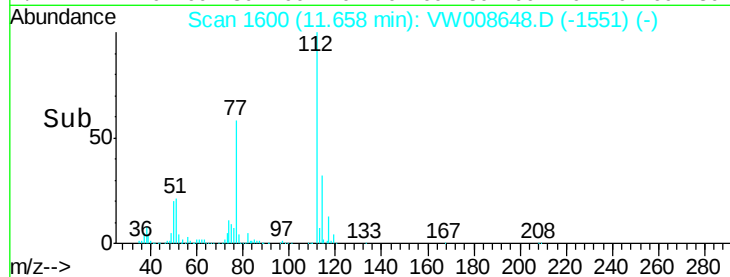
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.385 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008648.D

Acq: 13 Feb 2019 19:44

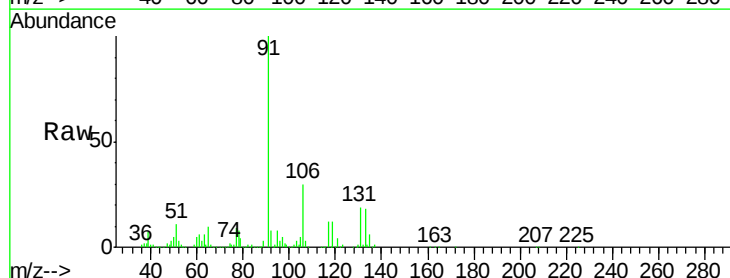
Tgt Ion:131 Resp: 77935

Ion Ratio Lower Upper

131 100

133 96.9 47.8 143.4

119 63.2 31.6 94.8



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

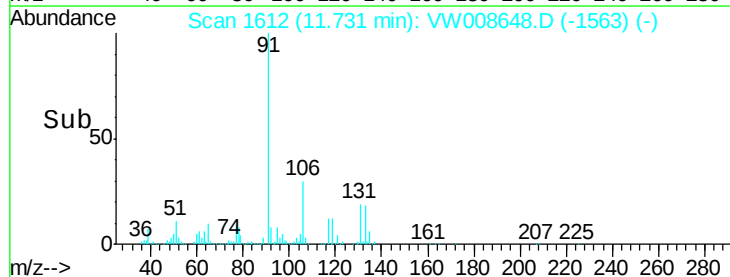
11.73

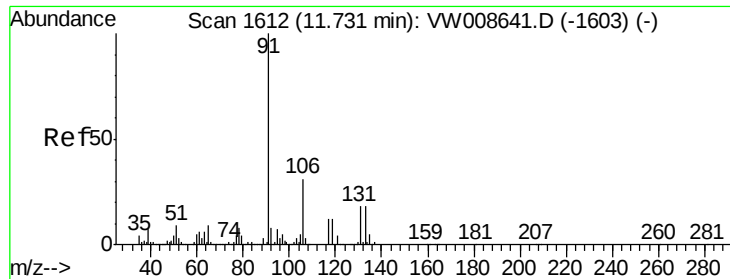
100000

50000

0

Time-->

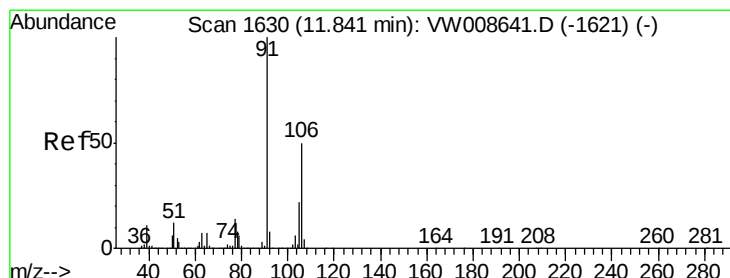
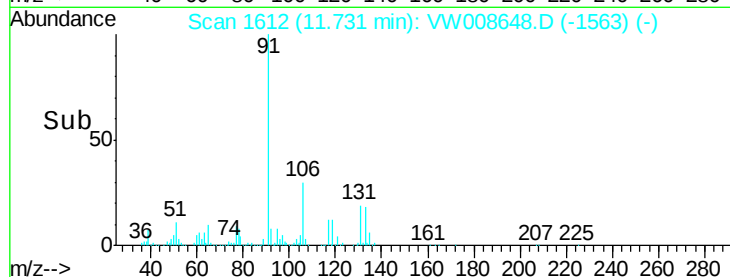
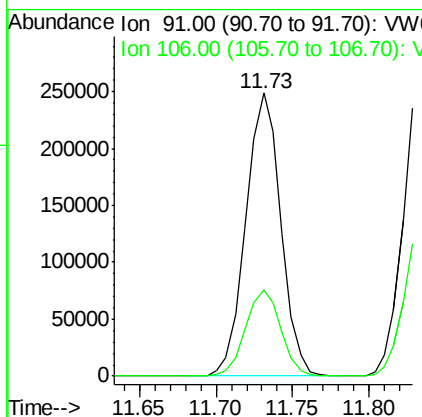
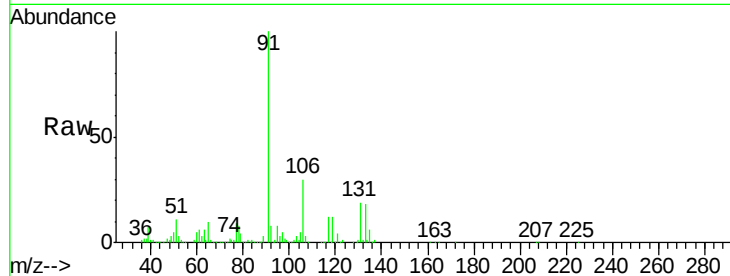




#67
Ethyl Benzene
Concen: 19.516 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008648.D
Acq: 13 Feb 2019 19:44

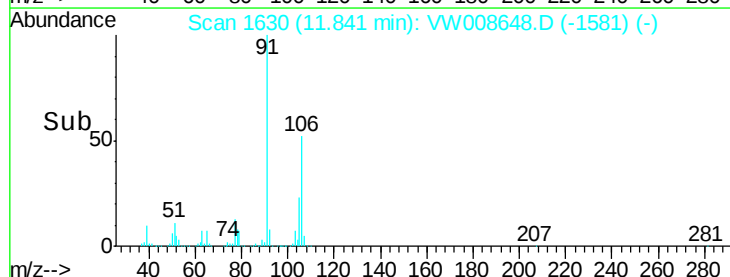
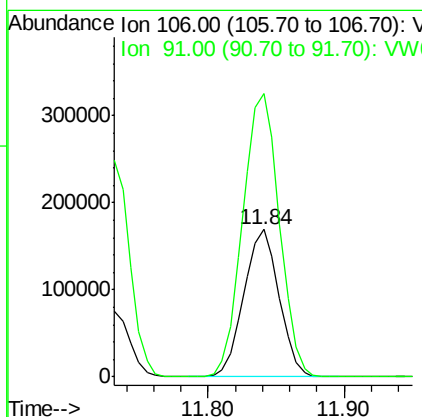
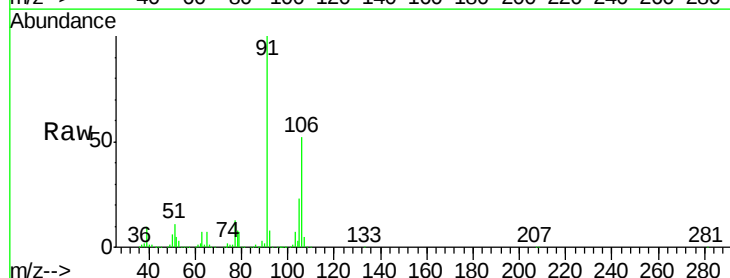
Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-N

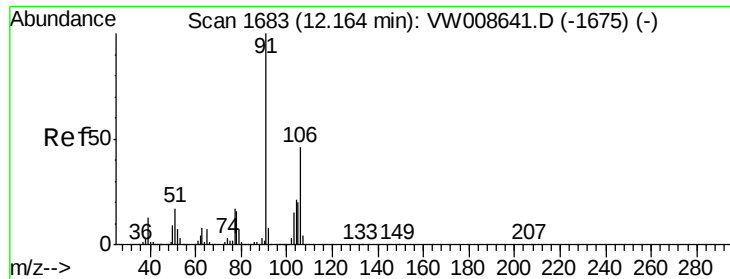
Tot Ion: 91 Resp: 394528
Ion Ratio Lower Upper
91 100
106 30.3 24.5 36.7



#68
m/p-Xylenes
Concen: 39.224 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008648.D
Acq: 13 Feb 2019 19:44

Tgt Ion: 106 Resp: 308524
Ion Ratio Lower Upper
106 100
91 198.8 161.0 241.4

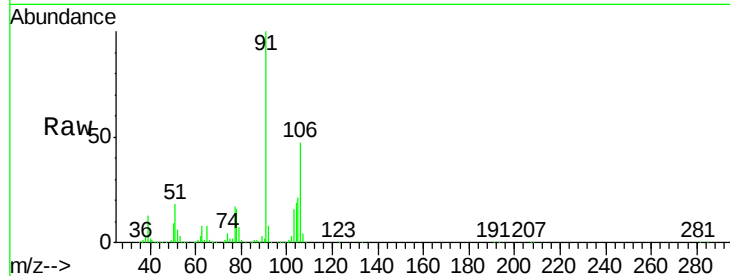




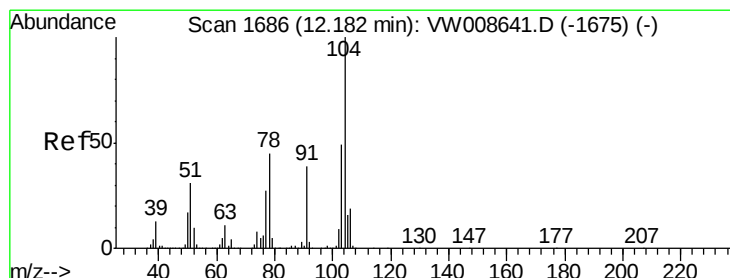
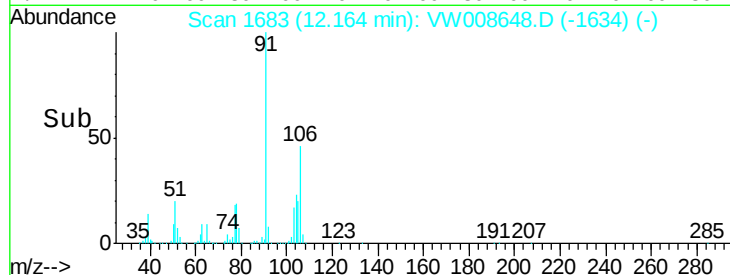
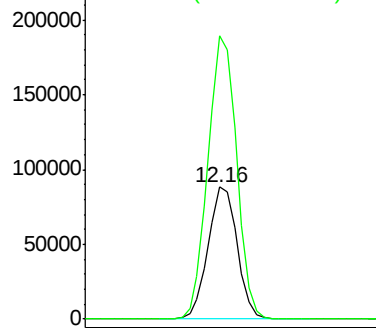
#69
o-Xylene
Concen: 19.527 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW008648.D
Acq: 13 Feb 2019 19:44

Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-N

Tot Ion:106 Resp: 145187
Ion Ratio Lower Upper
106 100
91 212.4 106.7 320.1

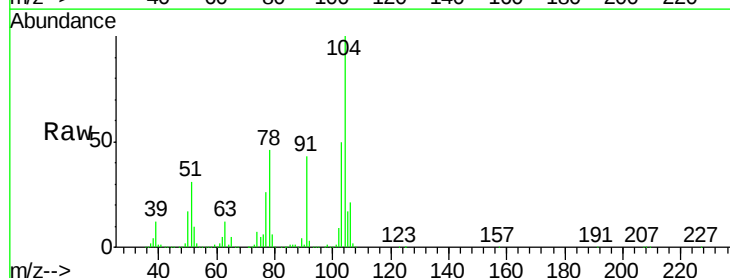


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

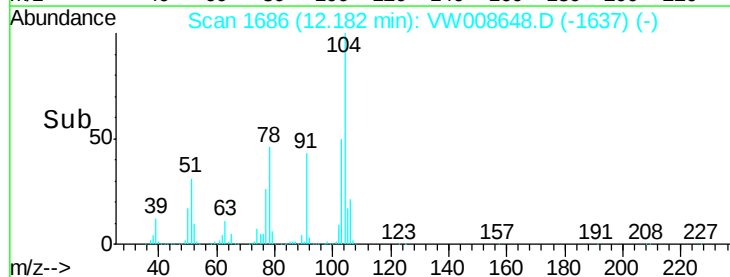
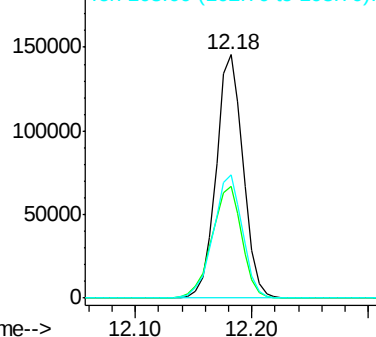


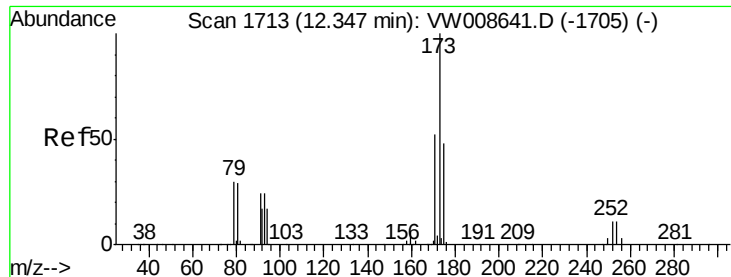
#70
Styrene
Concen: 19.269 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008648.D
Acq: 13 Feb 2019 19:44

Tgt Ion:104 Resp: 234004
Ion Ratio Lower Upper
104 100
78 51.3 41.5 62.3
103 55.0 43.5 65.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.988 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW008648.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

JC-02-021119-N

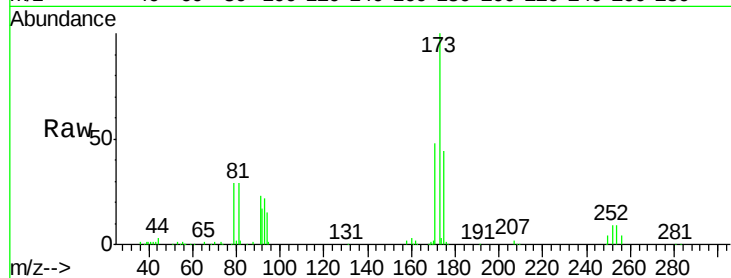
Tot Ion:173 Resp: 43298

Ion Ratio Lower Upper

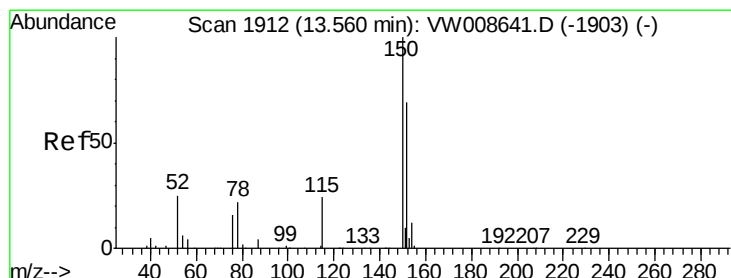
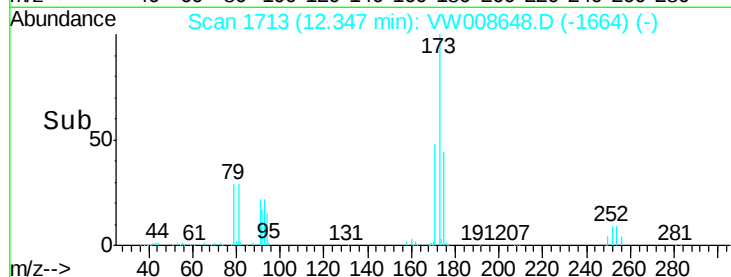
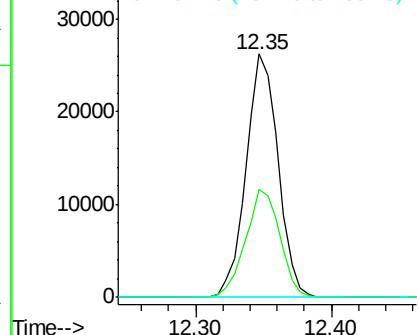
173 100

175 47.3 24.9 74.7

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008648.D

Acq: 13 Feb 2019 19:44

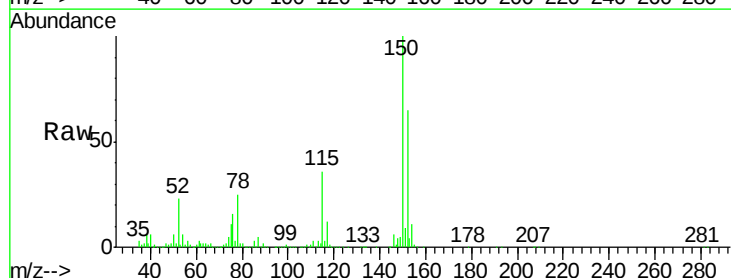
Tgt Ion:152 Resp: 276133

Ion Ratio Lower Upper

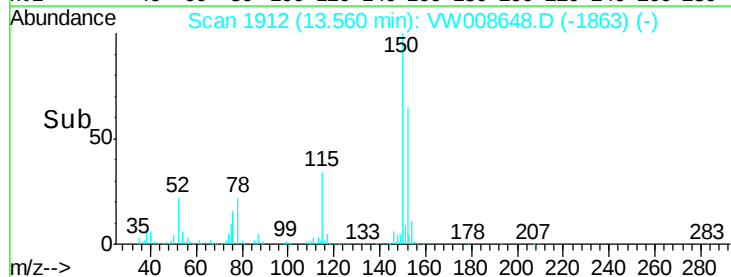
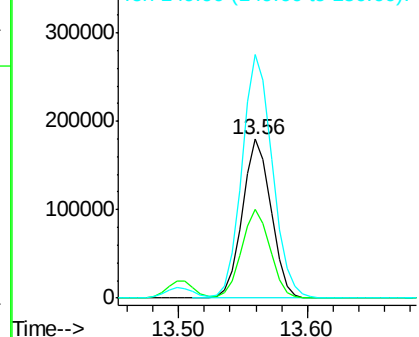
152 100

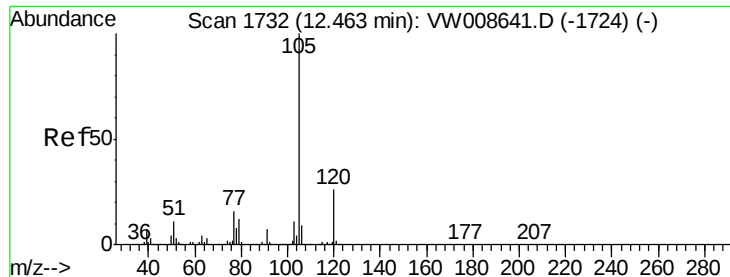
115 55.8 29.3 87.8

150 162.2 0.0 352.8



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: 19.136 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW008648.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

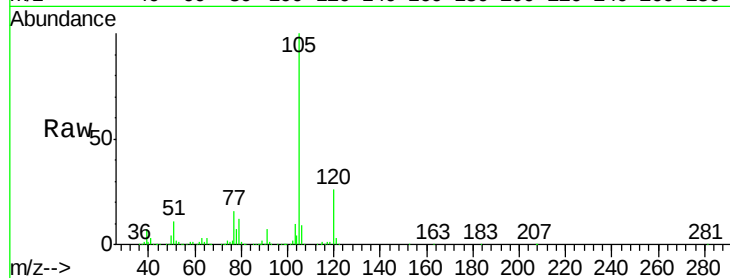
JC-02-021119-N

Tot Ion:105 Resp: 393606

Ion Ratio Lower Upper

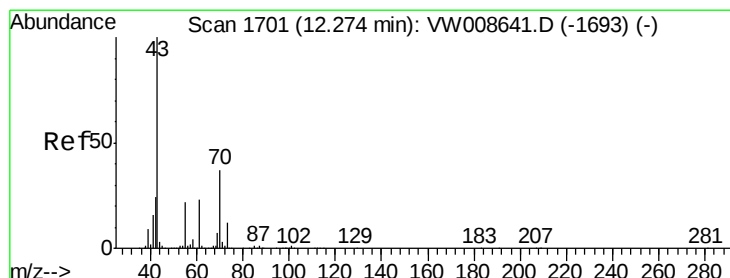
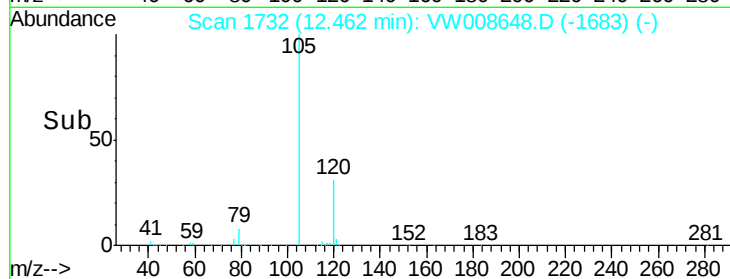
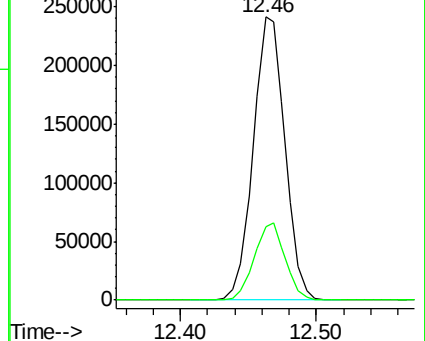
105 100

120 26.7 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.176 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008648.D

Acq: 13 Feb 2019 19:44

Tgt Ion: 43 Resp: 117785

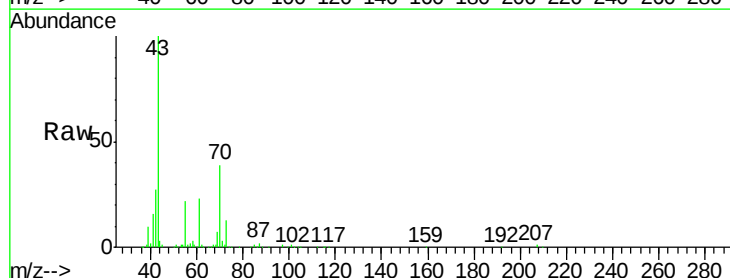
Ion Ratio Lower Upper

43 100

70 39.0 30.5 45.7

55 22.9 17.6 26.4

61 21.9 17.9 26.9

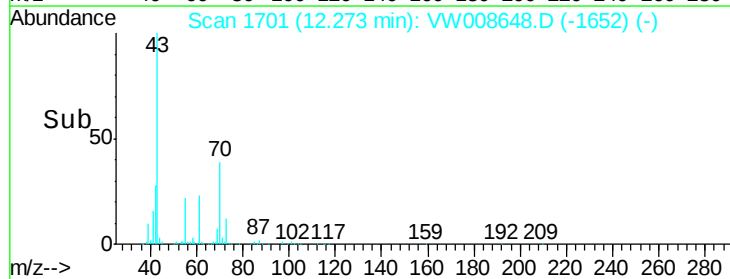
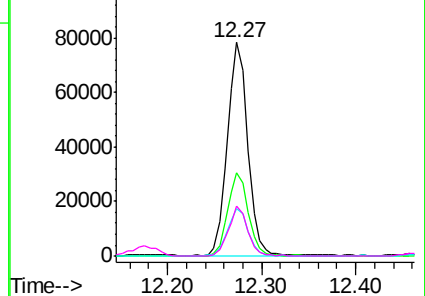


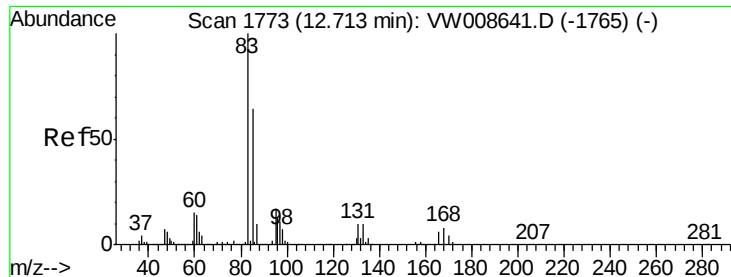
Abundance Ion 43.00 (42.70 to 43.70): VW

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





#75

1,1,2,2-Tetrachloroethane

Concen: 21.655 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW008648.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

JC-02-021119-N

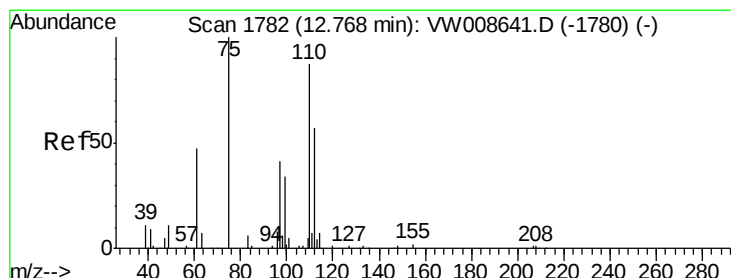
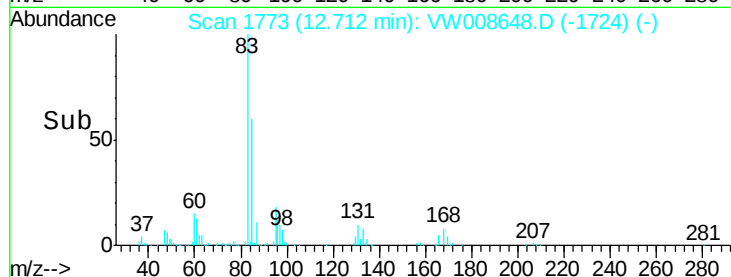
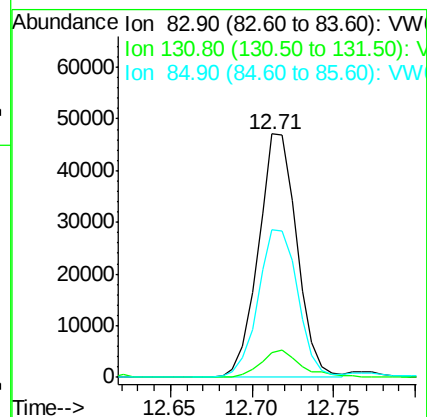
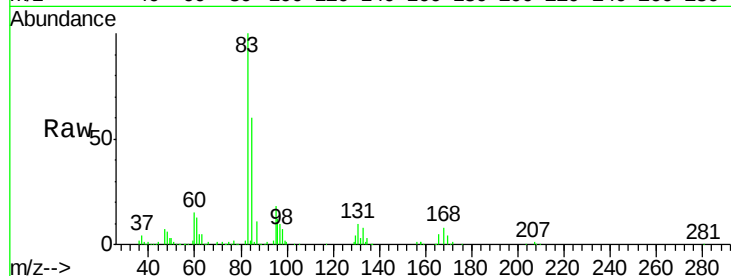
Tot Ion: 83 Resp: 77497

Ion Ratio Lower Upper

83 100

131 11.5 5.5 16.7

85 62.7 31.8 95.3



#76

1,2,3-Trichloropropane

Concen: 37.760 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW008648.D

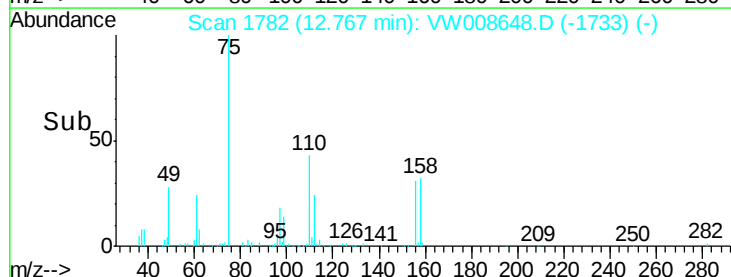
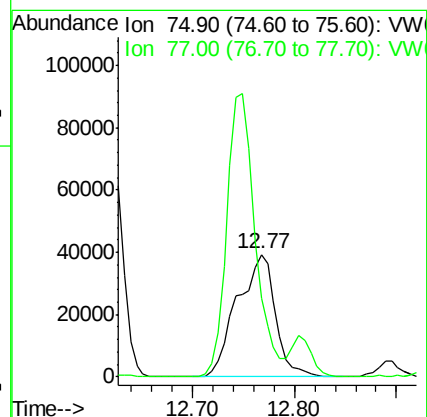
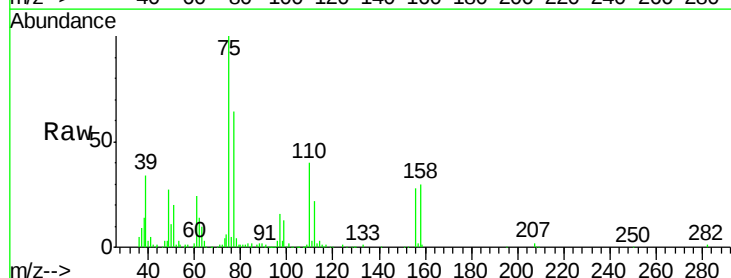
Acq: 13 Feb 2019 19:44

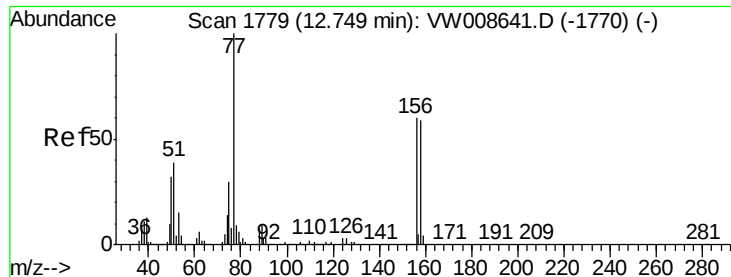
Tgt Ion: 75 Resp: 102959

Ion Ratio Lower Upper

75 100

77 171.9 0.0 0.0#





#77

Bromobenzene

Concen: 20.580 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008648.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

JC-02-021119-N

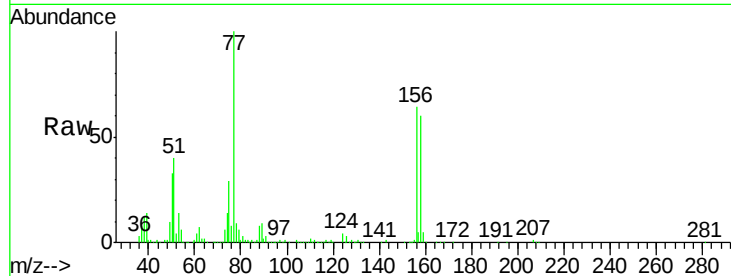
Tot Ion:156 Resp: 97305

Ion Ratio Lower Upper

156 100

77 181.9 93.2 279.5

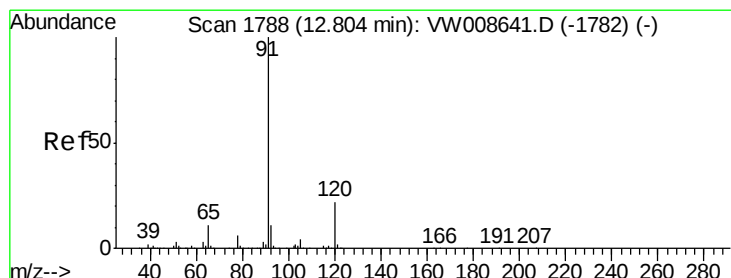
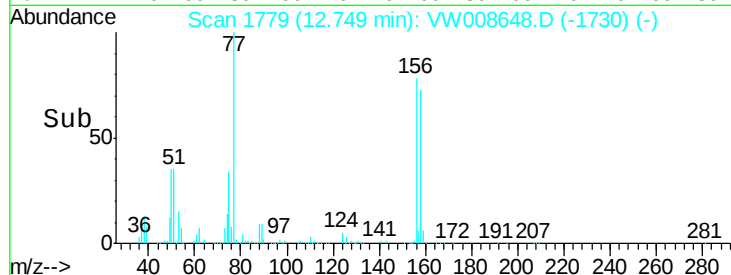
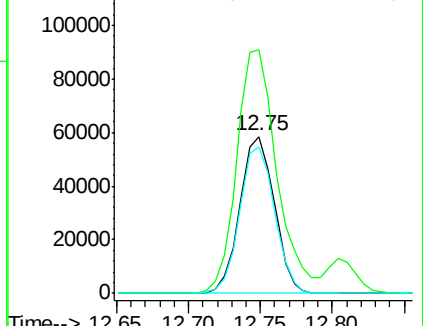
158 94.9 48.5 145.5



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: 19.500 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW008648.D

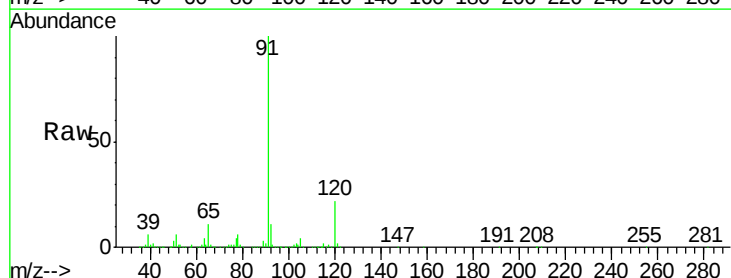
Acq: 13 Feb 2019 19:44

Tgt Ion: 91 Resp: 476564

Ion Ratio Lower Upper

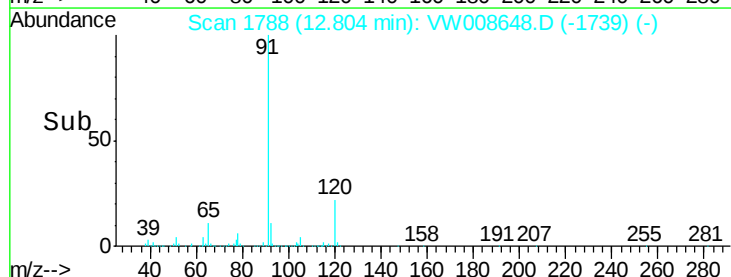
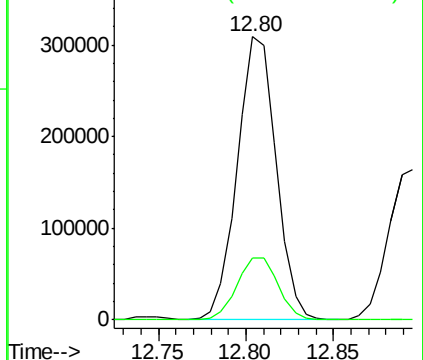
91 100

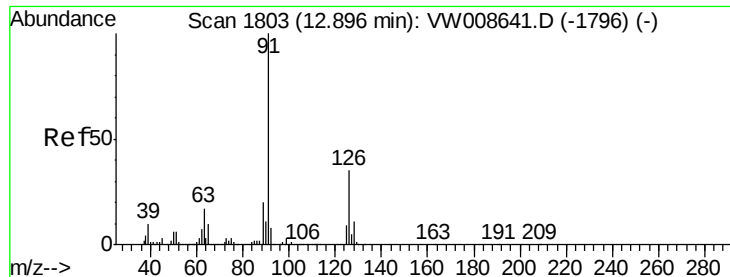
120 23.3 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.518 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008648.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

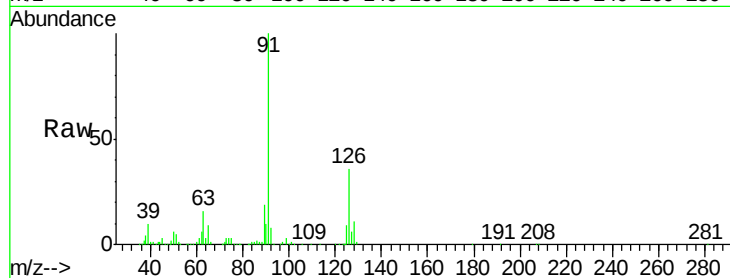
JC-02-021119-N

Tot Ion: 91 Resp: 269583

Ion Ratio Lower Upper

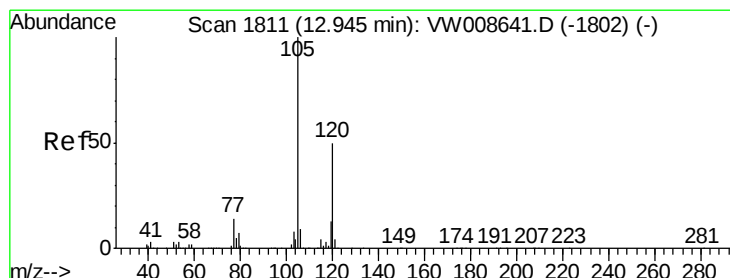
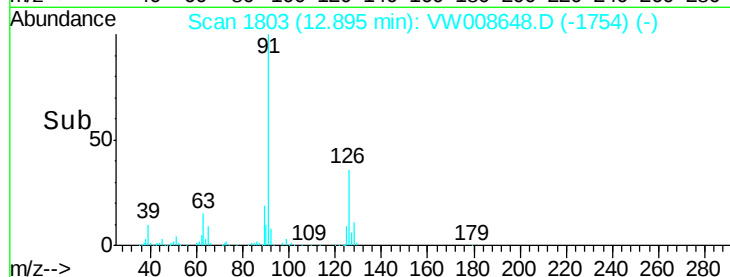
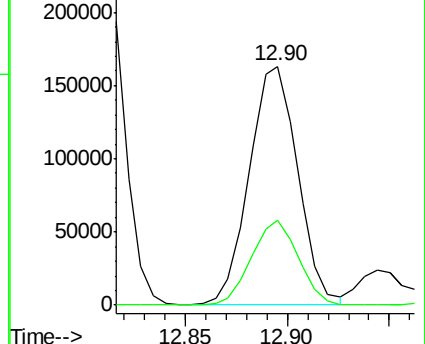
91 100

126 34.7 17.0 50.9



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: 19.662 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008648.D

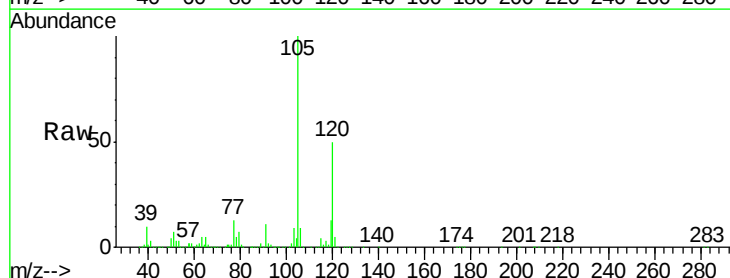
Acq: 13 Feb 2019 19:44

Tgt Ion: 105 Resp: 335916

Ion Ratio Lower Upper

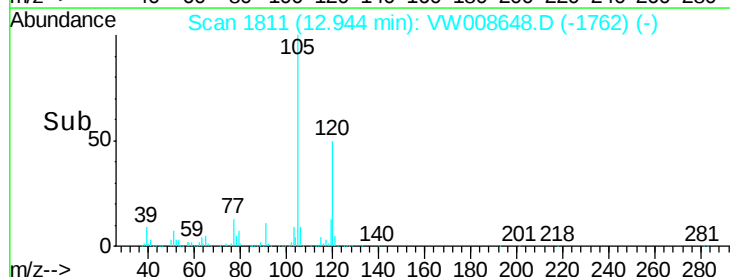
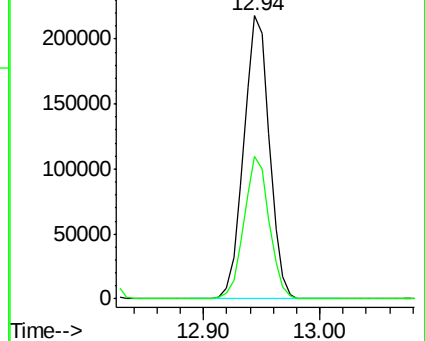
105 100

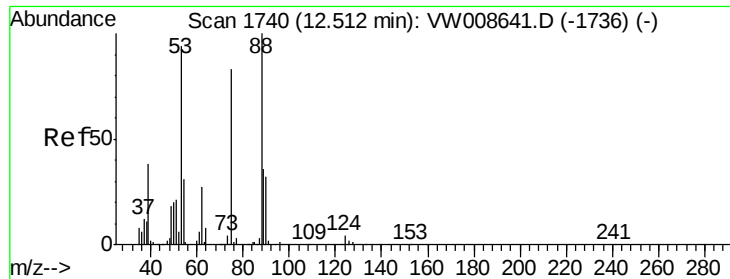
120 49.6 24.6 73.8



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: 20.340 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VW008648.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

JC-02-021119-N

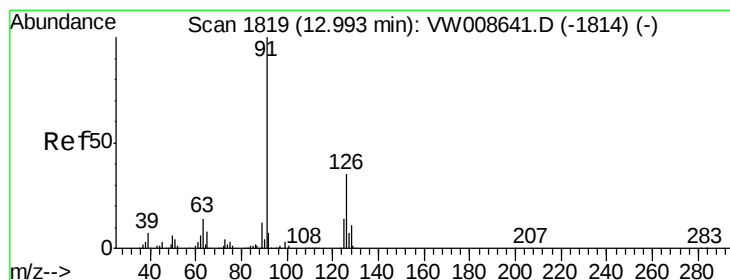
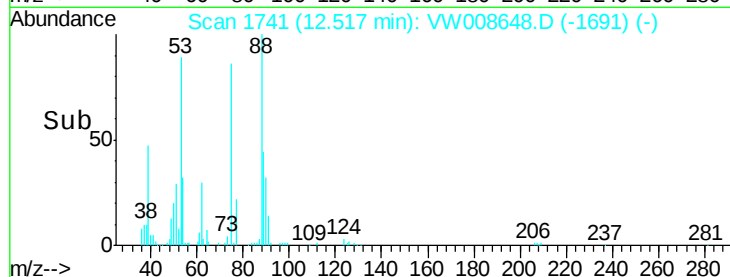
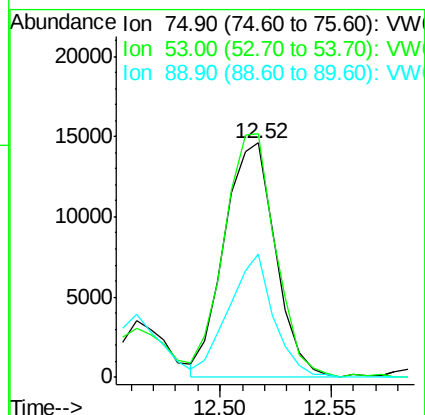
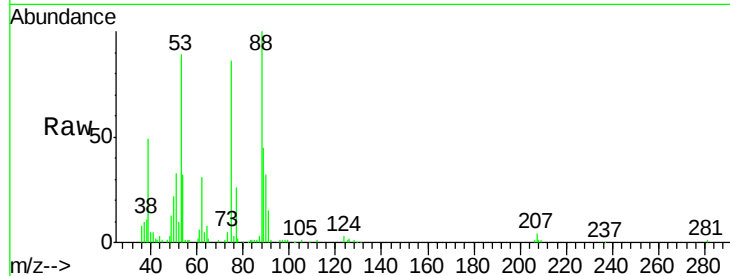
Tot Ion: 75 Resp: 23208

Ion Ratio Lower Upper

75 100

53 104.2 87.4 131.0

89 47.0 37.0 55.4



#82

4-Chlorotoluene

Concen: 19.230 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW008648.D

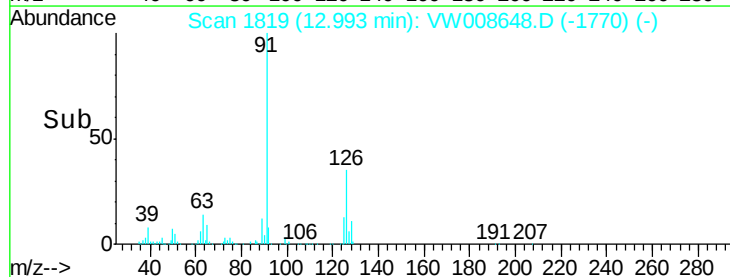
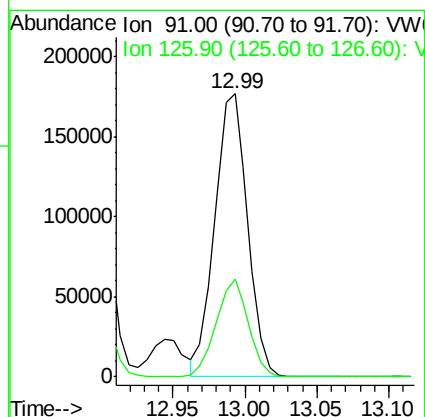
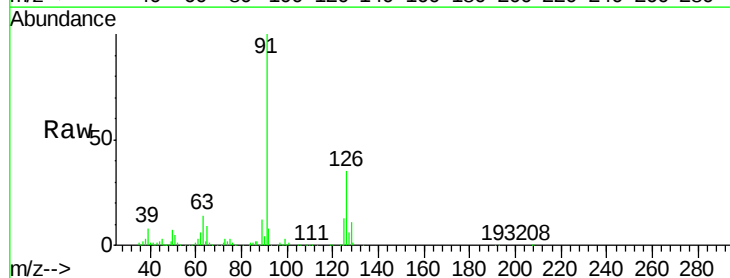
Acq: 13 Feb 2019 19:44

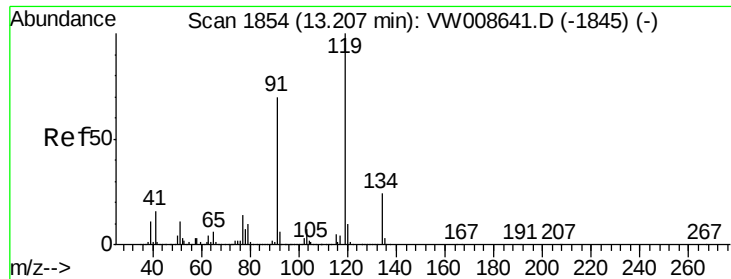
Tgt Ion: 91 Resp: 281489

Ion Ratio Lower Upper

91 100

126 34.1 16.9 50.7

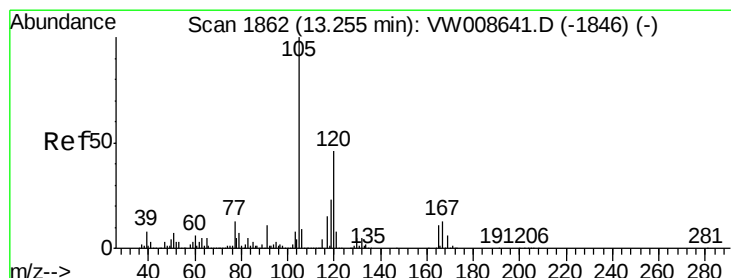
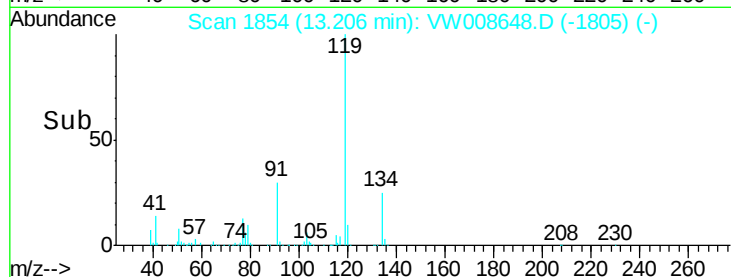
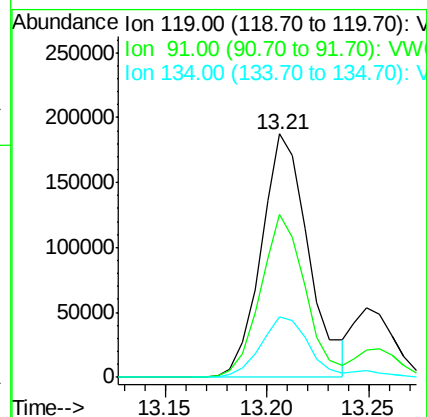
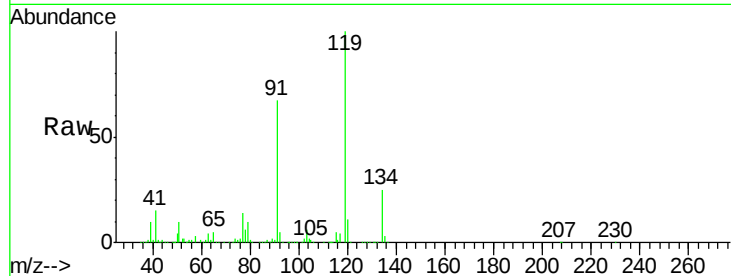




#83
 tert-Butylbenzene
 Concen: 20.361 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW008648.D
 Acq: 13 Feb 2019 19:44

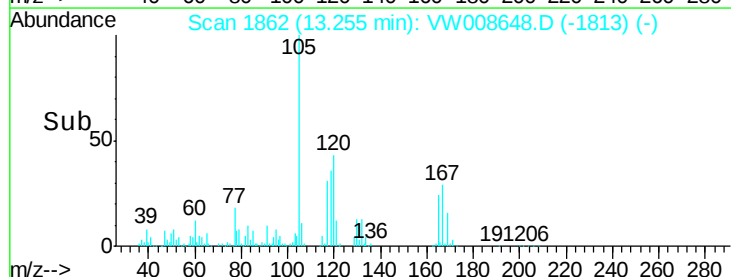
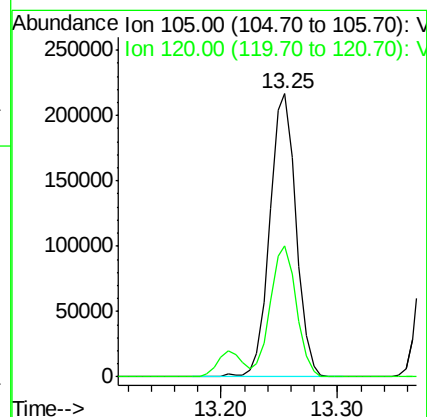
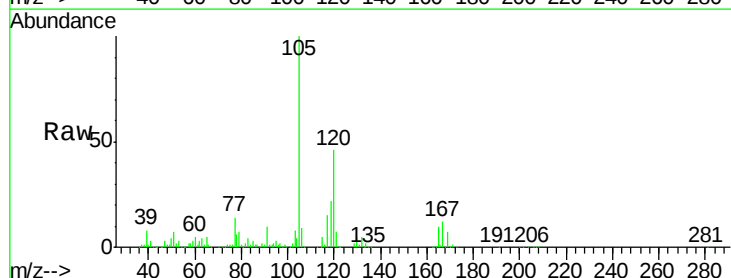
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-021119-N

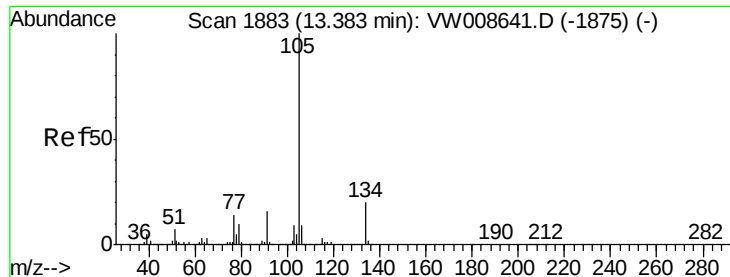
Tot Ion:119 Resp: 302052
 Ion Ratio Lower Upper
 119 100
 91 63.6 34.0 102.0
 134 27.0 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 19.389 ug/l
 RT: 13.25 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW008648.D
 Acq: 13 Feb 2019 19:44

Tgt Ion:105 Resp: 340452
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.9 68.8





#85

sec-Butylbenzene

Concen: 19.496 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VW008648.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

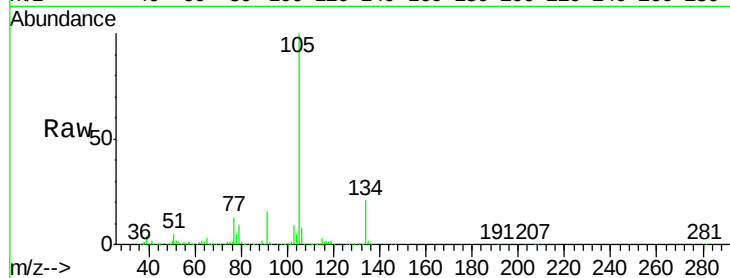
JC-02-021119-N

Tot Ion:105 Resp: 421126

Ion Ratio Lower Upper

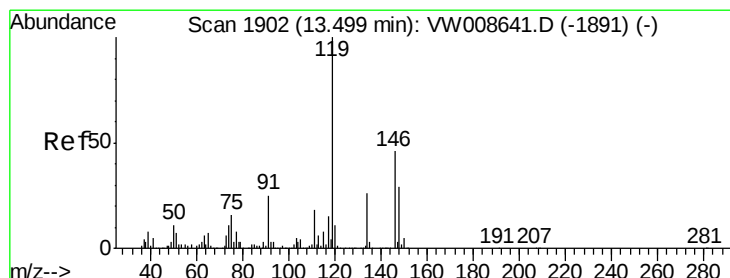
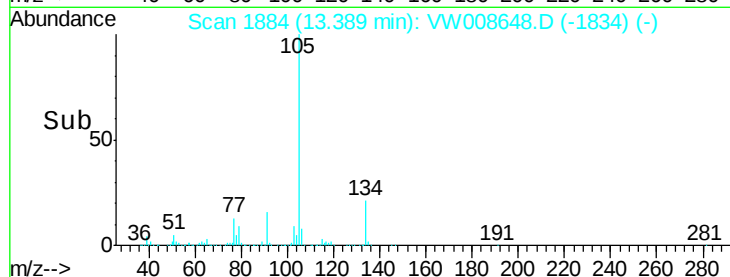
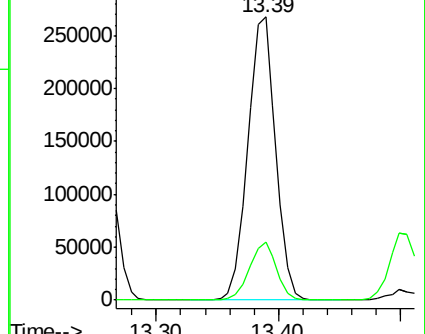
105 100

134 20.0 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.268 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW008648.D

Acq: 13 Feb 2019 19:44

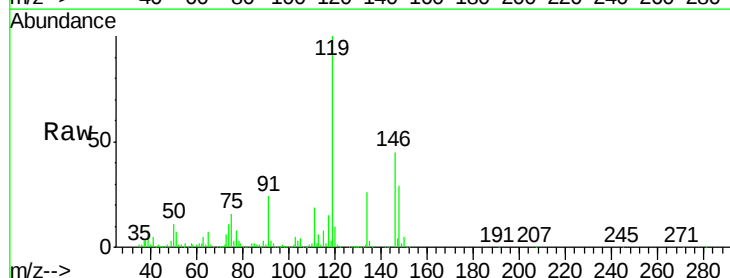
Tgt Ion:119 Resp: 372337

Ion Ratio Lower Upper

119 100

134 26.5 13.0 39.0

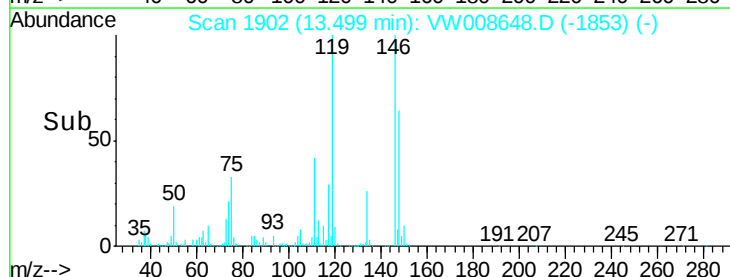
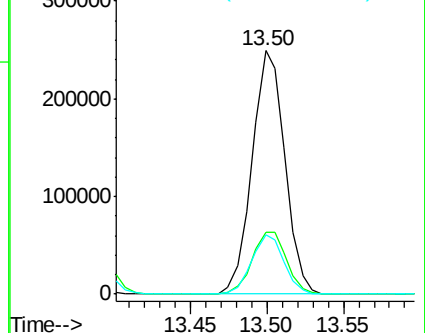
91 24.1 12.3 36.9

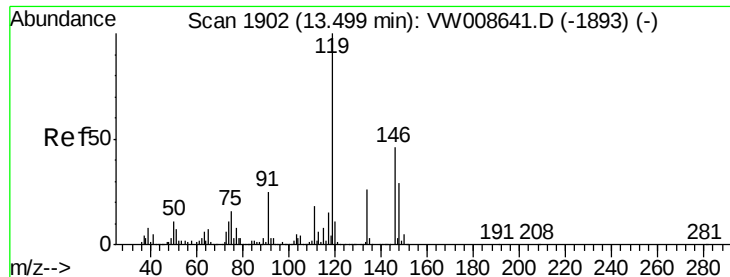


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

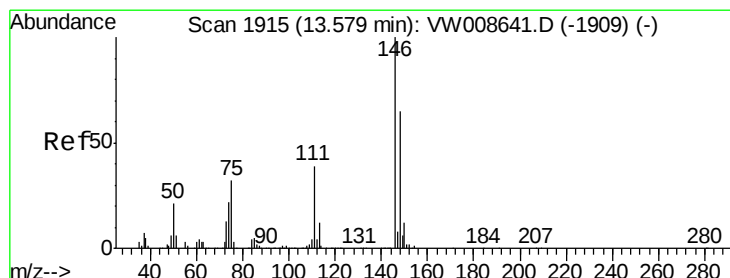
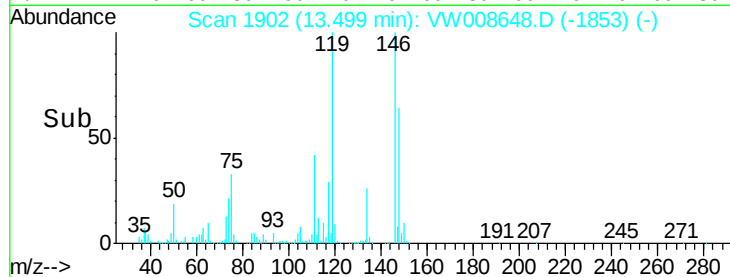
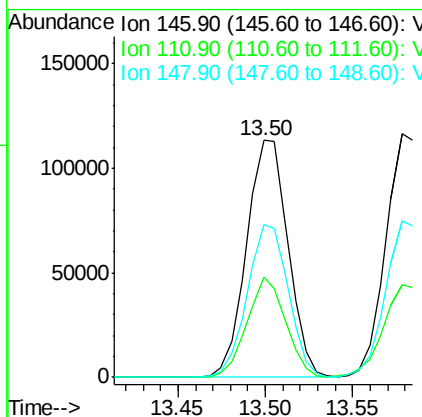
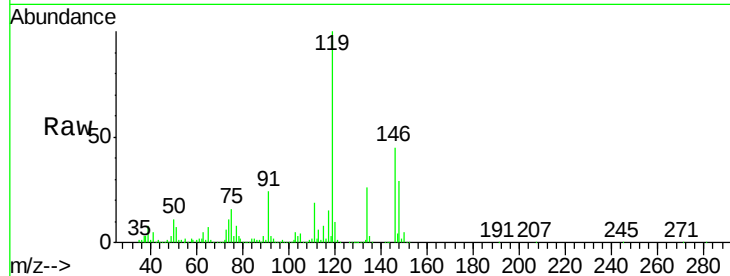




#87
 1,3-Dichlorobenzene
 Concen: 19.517 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW008648.D
 Acq: 13 Feb 2019 19:44

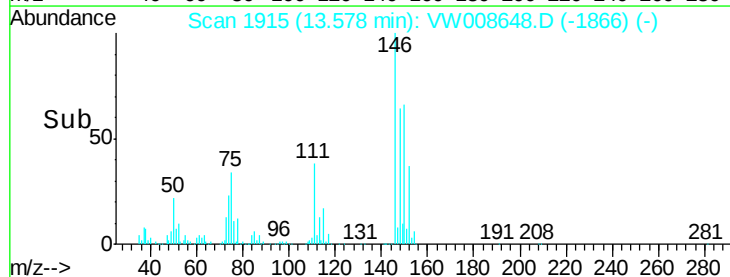
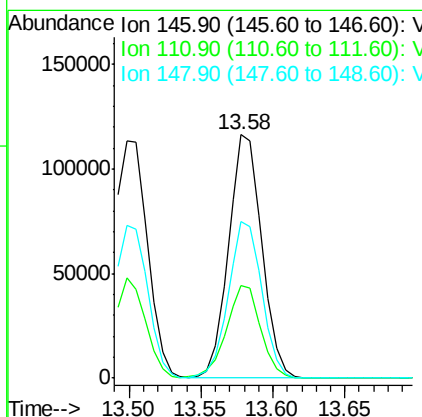
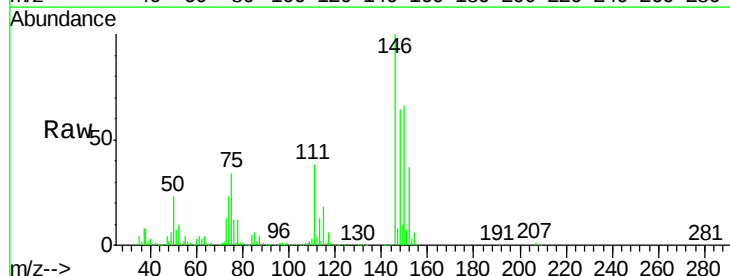
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-021119-N

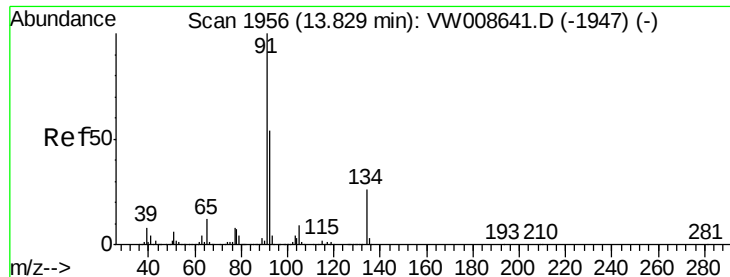
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.4	58.1
148	63.9	31.6	94.8



#88
 1,4-Dichlorobenzene
 Concen: 19.939 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW008648.D
 Acq: 13 Feb 2019 19:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.4	58.1
148	64.7	31.8	95.4





#89

n-Butylbenzene

Concen: 19.130 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW008648.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

JC-02-021119-N

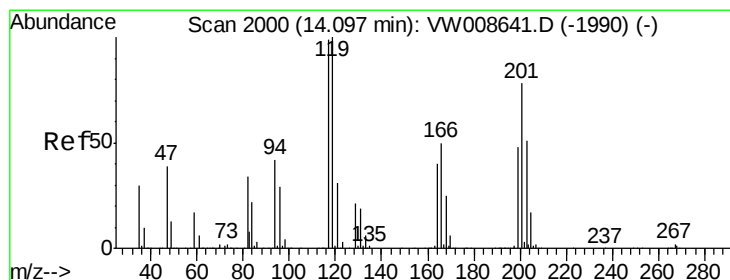
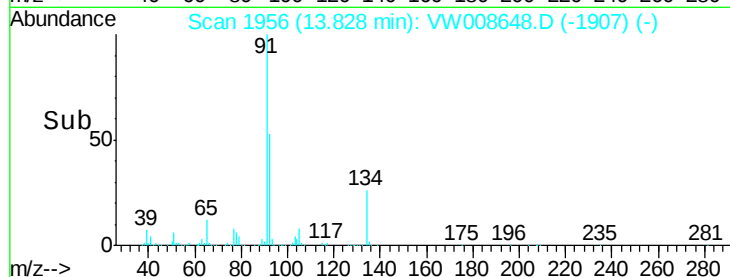
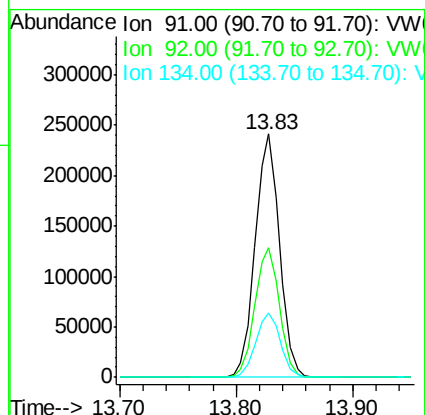
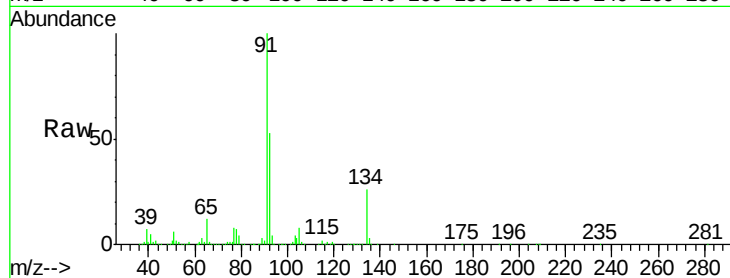
Tot Ion: 91 Resp: 351277

Ion Ratio Lower Upper

91 100

92 53.8 26.8 80.4

134 26.7 13.0 39.0



#90

Hexachloroethane

Concen: 19.227 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW008648.D

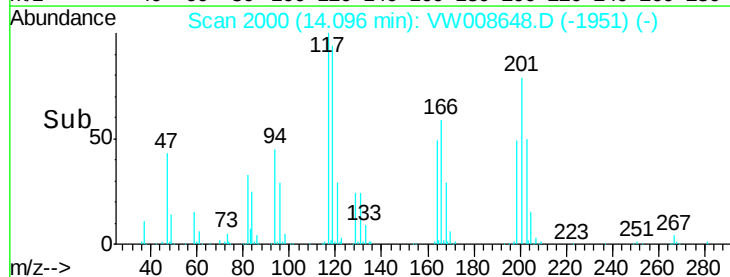
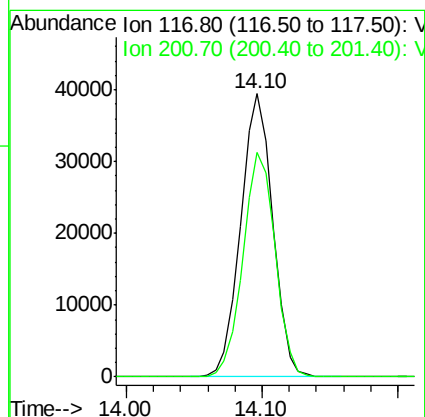
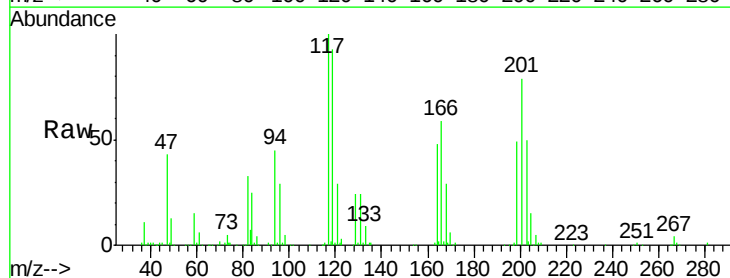
Acq: 13 Feb 2019 19:44

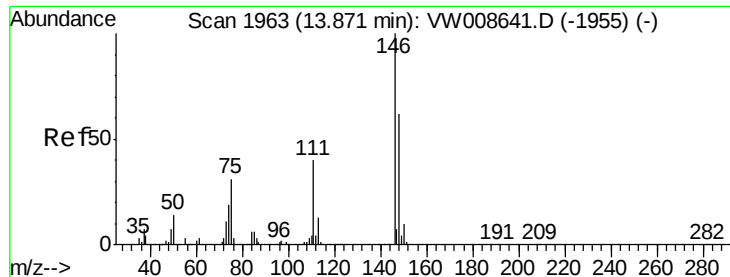
Tgt Ion: 117 Resp: 64912

Ion Ratio Lower Upper

117 100

201 79.7 38.7 116.1

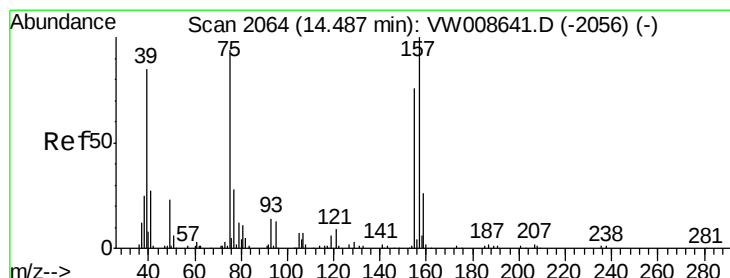
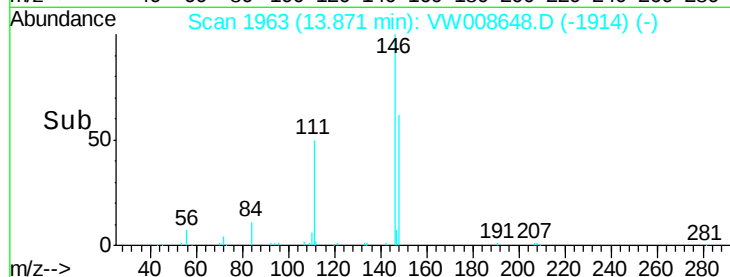
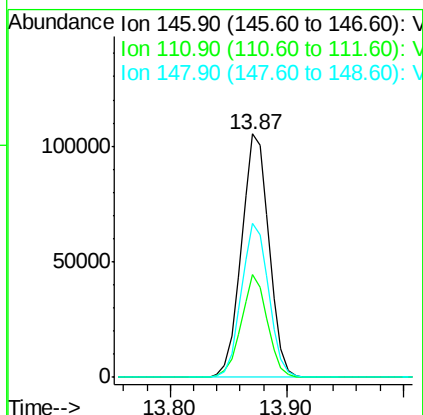
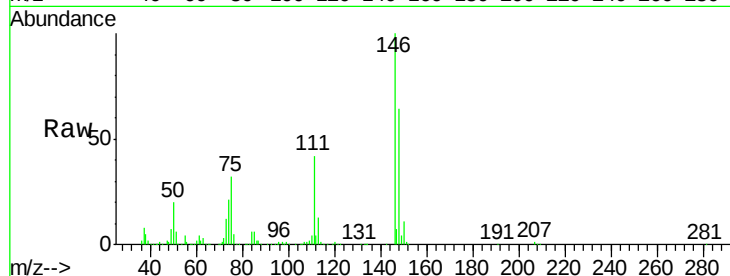




#91
 1,2-Dichlorobenzene
 Concen: 20.375 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW008648.D
 Acq: 13 Feb 2019 19:44

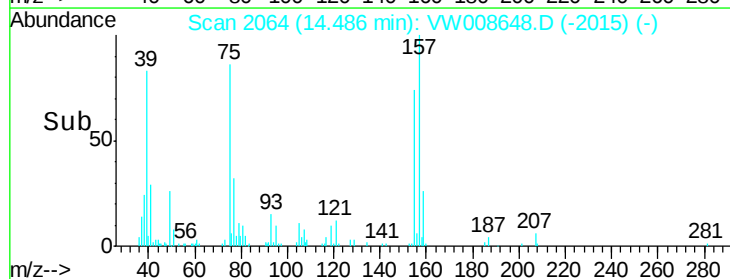
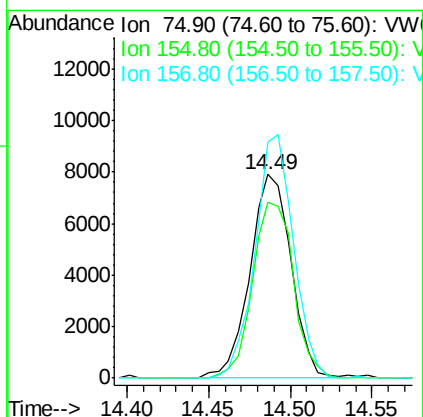
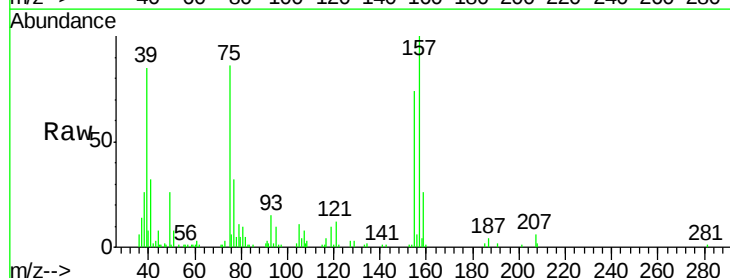
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-021119-N

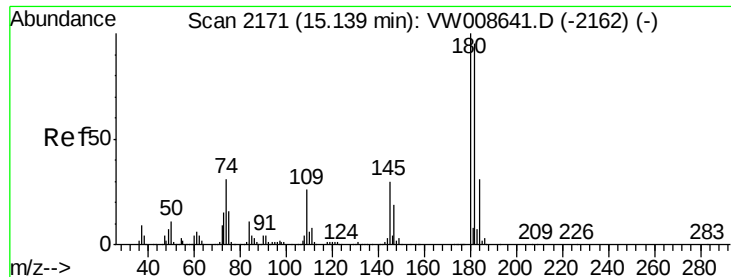
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.5	61.5
148	63.1	31.6	94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.313 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW008648.D
 Acq: 13 Feb 2019 19:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.6	41.8	125.4
157	111.4	53.8	161.4

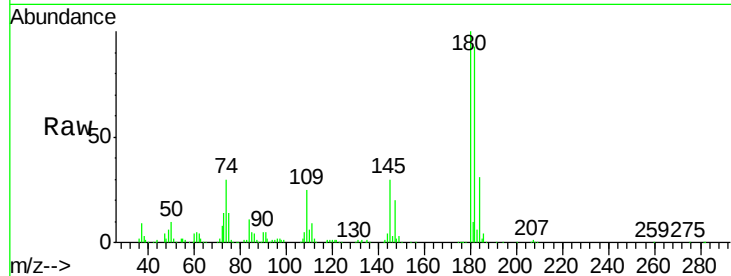




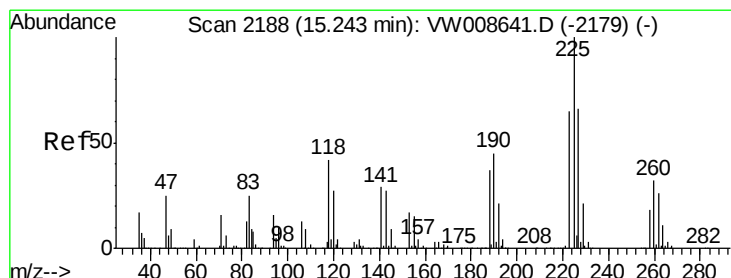
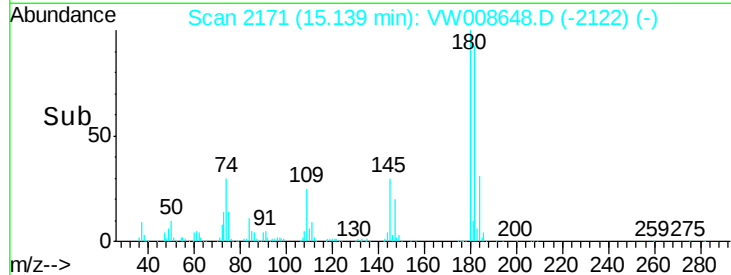
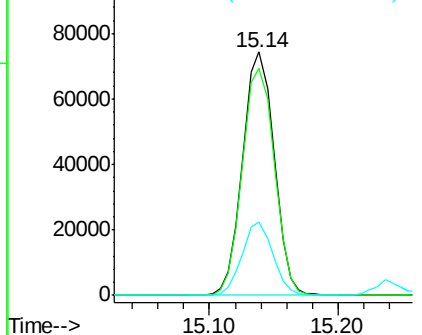
#93
 1,2,4-Trichlorobenzene
 Concen: 20.873 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008648.D
 Acq: 13 Feb 2019 19:44

Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-021119-N

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.5	142.5
145	29.4	15.1	45.3

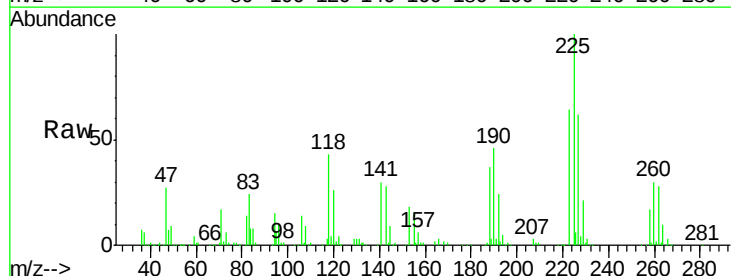


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

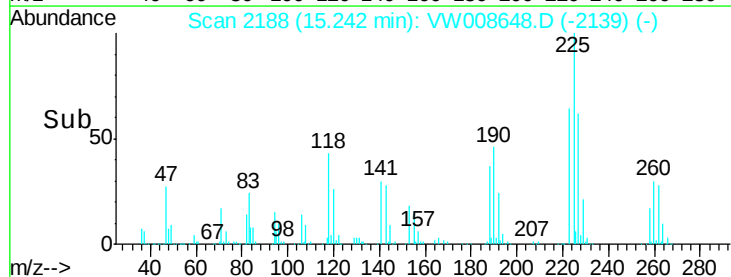
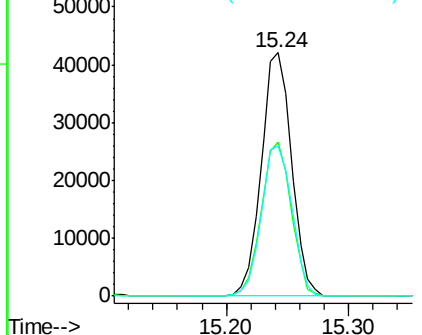


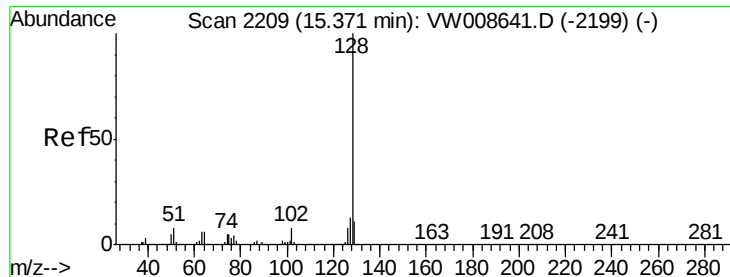
#94
 Hexachlorobutadiene
 Concen: 20.680 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008648.D
 Acq: 13 Feb 2019 19:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.4	94.3
227	62.7	32.4	97.0



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





#95

Naphthalene

Concen: 22.023 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW008648.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

JC-02-021119-N

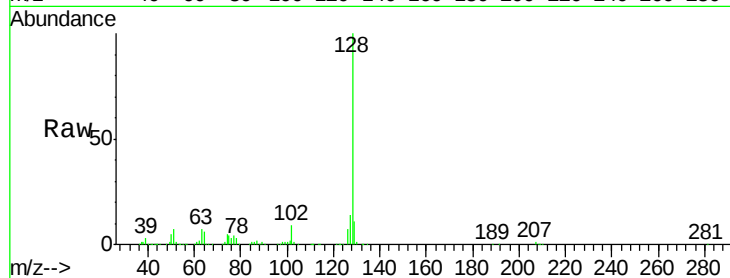
Tot Ion:128 Resp: 238569

Ion Ratio Lower Upper

128 100

127 13.9 10.9 16.3

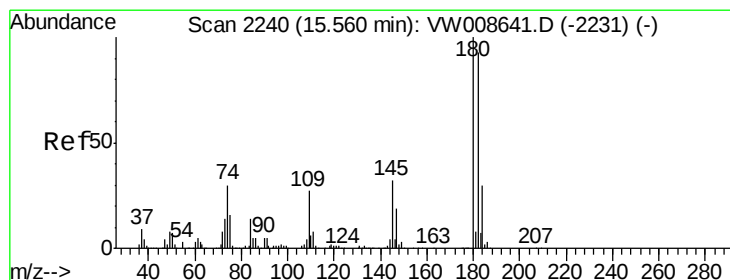
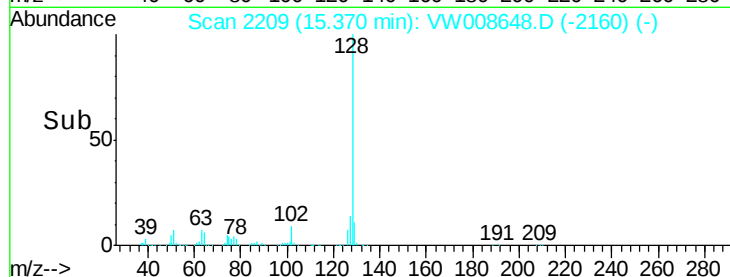
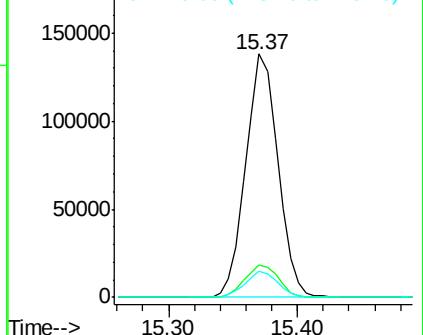
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.454 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW008648.D

Acq: 13 Feb 2019 19:44

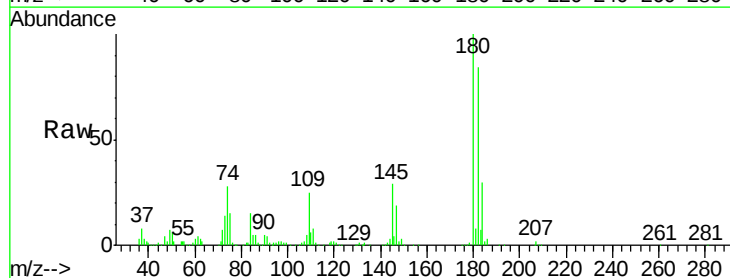
Tgt Ion:180 Resp: 111287

Ion Ratio Lower Upper

180 100

182 92.8 47.5 142.5

145 30.7 15.9 47.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

