

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021319\
 Data File : VW008649.D
 Acq On : 13 Feb 2019 20:10
 Operator : SY/VA
 Sample : VW0213SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Feb 14 04:45:25 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	7.95	168	401903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	623155	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	559642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	286210	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	224630	53.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.52%	
35) Dibromofluoromethane	7.88	113	207919	53.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.46%	
50) Toluene-d8	10.32	98	777905	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
62) 4-Bromofluorobenzene	12.62	95	288373	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	55888	21.711	ug/l	95
3) Chloromethane	2.21	50	72578	19.558	ug/l	99
4) Vinyl Chloride	2.36	62	94074	19.299	ug/l	94
5) Bromomethane	2.77	94	79752	20.677	ug/l	98
6) Chloroethane	2.92	64	74428	20.520	ug/l	99
7) Trichlorofluoromethane	3.25	101	68481	18.038	ug/l	97
8) Diethyl Ether	3.67	74	46906	20.704	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	81665	20.355	ug/l	95
10) Methyl Iodide	4.26	142	126483	20.198	ug/l	99
11) Tert butyl alcohol	5.17	59	35940	107.507	ug/l	97
12) 1,1-Dichloroethene	4.03	96	79639	20.297	ug/l	99
13) Acrolein	3.88	56	35928	104.311	ug/l	97
14) Allyl chloride	4.65	41	128683	19.740	ug/l	99
15) Acrylonitrile	5.36	53	99532	104.376	ug/l	99
16) Acetone	4.12	43	91873	96.626	ug/l	93
17) Carbon Disulfide	4.37	76	235441	19.884	ug/l	97
18) Methyl Acetate	4.66	43	43833	20.175	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	143965	20.901	ug/l	100
20) Methylene Chloride	4.90	84	97359	18.714	ug/l	94
21) trans-1,2-Dichloroethene	5.41	96	85731	19.952	ug/l	98
22) Diisopropyl ether	6.31	45	269087	20.509	ug/l	96
23) Vinyl Acetate	6.25	43	876183	102.895	ug/l	100
24) 1,1-Dichloroethane	6.21	63	156032	20.609	ug/l	98
25) 2-Butanone	7.17	43	137989	102.778	ug/l	100
26) 2,2-Dichloropropane	7.16	77	91947	19.441	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	93362	20.094	ug/l	98
28) Bromochloromethane	7.51	49	67233	21.037	ug/l	98
29) Tetrahydrofuran	7.52	42	92071	104.044	ug/l	99
30) Chloroform	7.67	83	156100	20.577	ug/l	98
31) Cyclohexane	7.95	56	148995	19.498	ug/l	# 91
32) 1,1,1-Trichloroethane	7.87	97	127161	19.848	ug/l	99
36) 1,1-Dichloropropene	8.07	75	124866	19.944	ug/l	99
37) Ethyl Acetate	7.25	43	65306	21.624	ug/l	99
38) Carbon Tetrachloride	8.06	117	124479	19.995	ug/l	96

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 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Time: Feb 14 04:45:25 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)
39) Methylcyclohexane	9.33	83	152642	19.276	ug/l	98
40) Benzene	8.32	78	344979	20.176	ug/l	97
41) Methacrylonitrile	7.48	41	36705	21.601	ug/l	95
42) 1,2-Dichloroethane	8.40	62	109875	20.717	ug/l	100
43) Isopropyl Acetate	8.42	43	124740	20.714	ug/l	99
44) Trichloroethene	9.09	130	95659	20.178	ug/l	97
45) 1,2-Dichloropropane	9.37	63	85561	20.220	ug/l	99
46) Dibromomethane	9.46	93	47948	20.570	ug/l	98
47) Bromodichloromethane	9.64	83	115119	20.549	ug/l	99
48) Methyl methacrylate	9.43	41	57973	20.773	ug/l	98
49) 1,4-Dioxane	9.45	88	15292	410.980	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	324412	104.871	ug/l	99
52) Toluene	10.38	92	220263	19.968	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	116421	19.782	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	135407	20.296	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	66514	20.796	ug/l	96
56) Ethyl methacrylate	10.65	69	86413	20.346	ug/l	99
57) 1,3-Dichloropropane	10.93	76	116132	20.464	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	230630	113.201	ug/l	99
59) 2-Hexanone	10.97	43	220164	101.311	ug/l	99
60) Dibromochloromethane	11.13	129	77584	20.273	ug/l	99
61) 1,2-Dibromoethane	11.23	107	65184	20.699	ug/l	97
64) Tetrachloroethene	10.86	164	83237	20.001	ug/l	96
65) Chlorobenzene	11.66	112	244939	20.306	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	86690	20.287	ug/l	98
67) Ethyl Benzene	11.73	91	422122	19.646	ug/l	98
68) m/p-Xylenes	11.84	106	329662	39.432	ug/l	100
69) o-Xylene	12.16	106	157616	19.945	ug/l	99
70) Styrene	12.18	104	252262	19.544	ug/l	99
71) Bromoform	12.35	173	45464	19.746	ug/l #	98
73) Isopropylbenzene	12.46	105	429474	20.145	ug/l	100
74) N-amyl acetate	12.27	43	122118	21.182	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	79805	21.515	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	104381	36.934	ug/l #	100
77) Bromobenzene	12.75	156	102761	20.969	ug/l	99
78) n-propylbenzene	12.80	91	508919	20.091	ug/l	98
79) 2-Chlorotoluene	12.90	91	290177	20.269	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	356926	20.156	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	22449	19.150	ug/l	98
82) 4-Chlorotoluene	12.99	91	306185	20.181	ug/l	98
83) tert-Butylbenzene	13.21	119	315050	20.489	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	369986	20.329	ug/l	99
85) sec-Butylbenzene	13.38	105	454042	20.280	ug/l	100
86) p-Isopropyltoluene	13.50	119	398814	19.912	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	204250	20.560	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	204554	20.892	ug/l	100
89) n-Butylbenzene	13.83	91	379351	19.931	ug/l	100
90) Hexachloroethane	14.10	117	70399	20.118	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	184346	20.944	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13970	21.673	ug/l	99

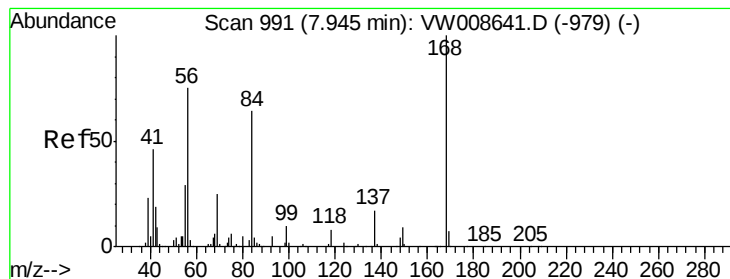
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021319\
Data File : VW008649.D
Acq On : 13 Feb 2019 20:10
Operator : SY/VA
Sample : VW0213SBSD01
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ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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Quant Time: Feb 14 04:45:25 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)
93) 1,2,4-Trichlorobenzene	15.14	180	132915	21.214	ug/l	100
94) Hexachlorobutadiene	15.24	225	75852	20.798	ug/l	98
95) Naphthalene	15.37	128	242332	21.582	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	116489	21.666	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

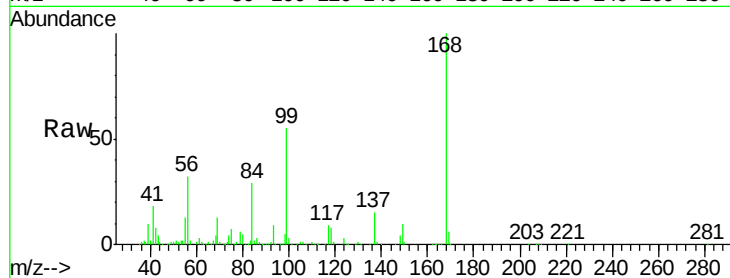
JC-02-021119-O

Tot Ion:168 Resp: 401903

Ion Ratio Lower Upper

168 100

99 55.3 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

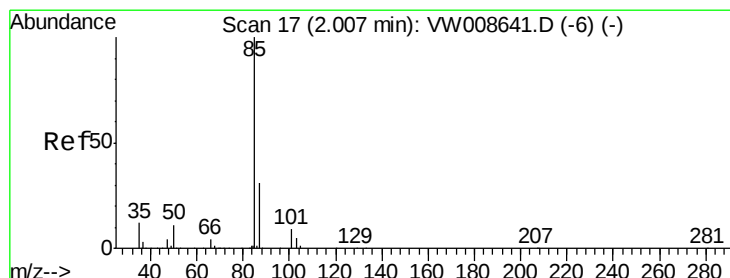
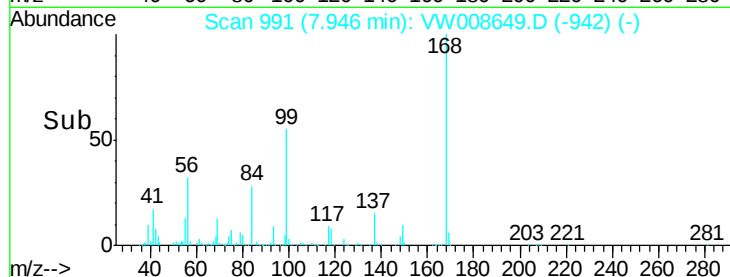
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 21.711 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008649.D

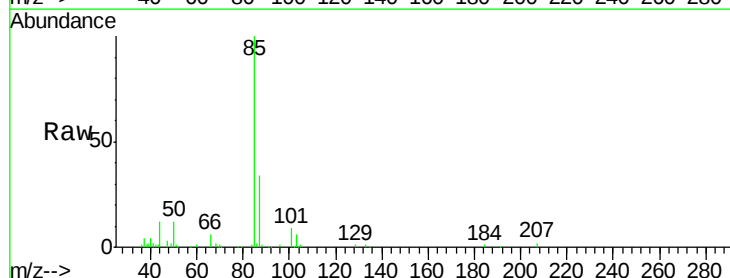
Acq: 13 Feb 2019 20:10

Tgt Ion: 85 Resp: 55888

Ion Ratio Lower Upper

85 100

87 33.5 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

20000

15000

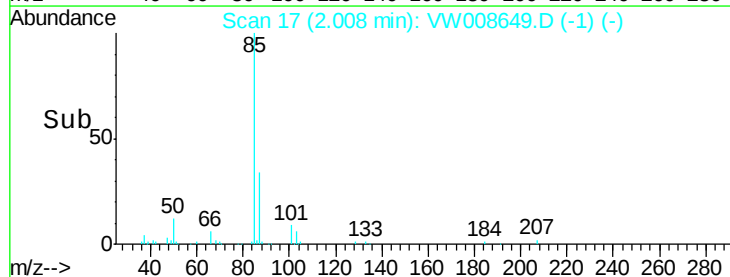
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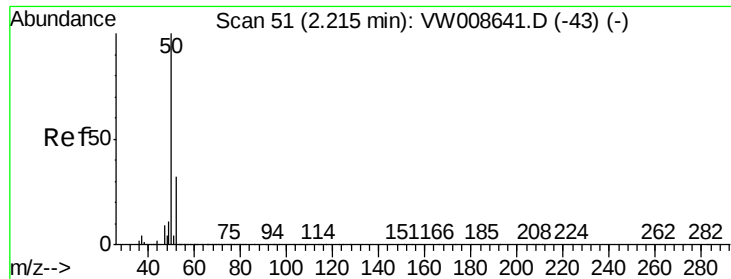
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 19.558 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

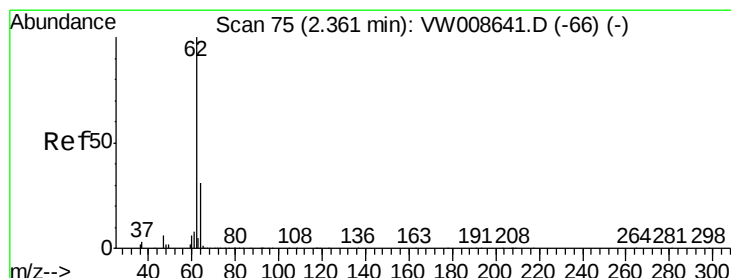
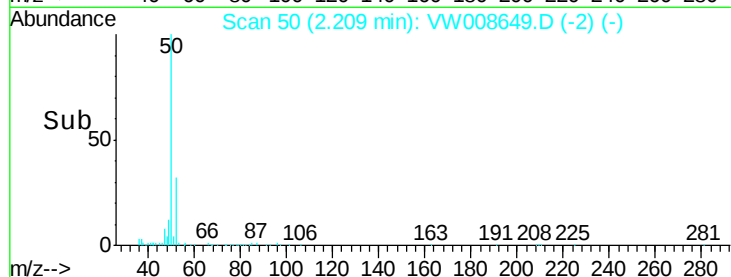
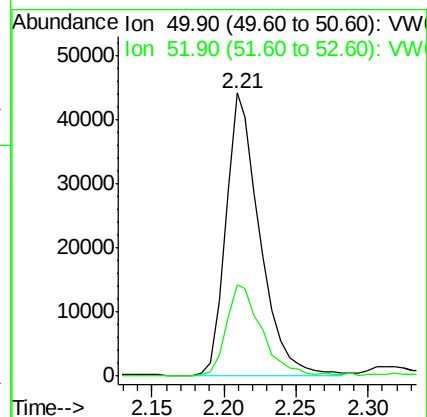
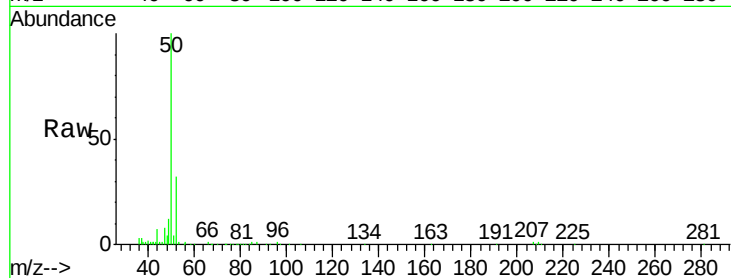
JC-02-021119-O

Tot Ion: 50 Resp: 72578

Ion Ratio Lower Upper

50 100

52 32.0 26.0 39.0



#4

Vinyl Chloride

Concen: 19.299 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW008649.D

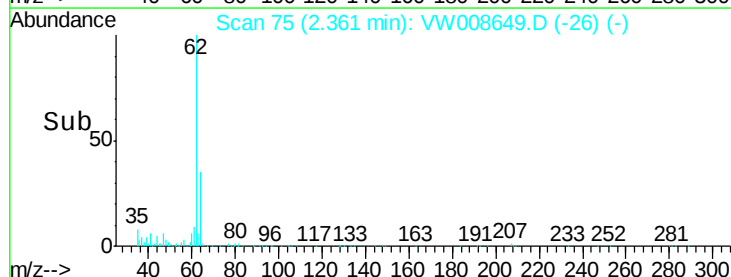
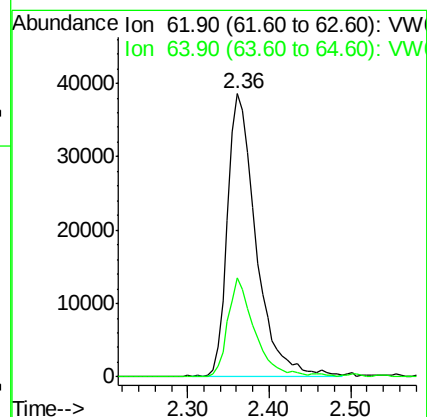
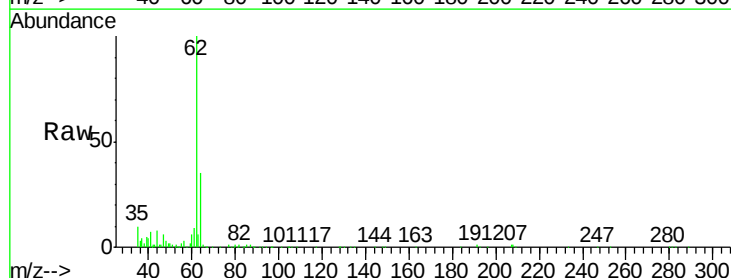
Acq: 13 Feb 2019 20:10

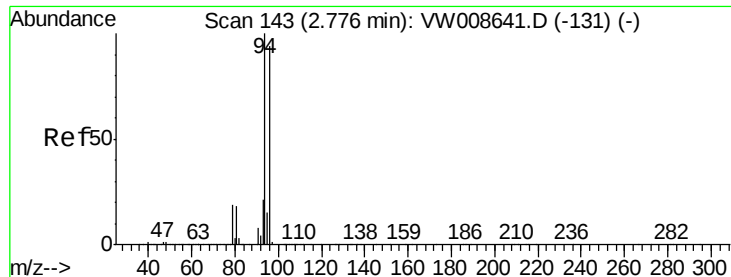
Tgt Ion: 62 Resp: 94074

Ion Ratio Lower Upper

62 100

64 34.8 25.1 37.7





#5

Bromomethane

Concen: 20.677 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

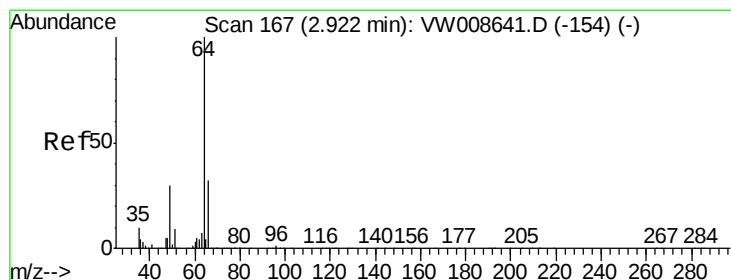
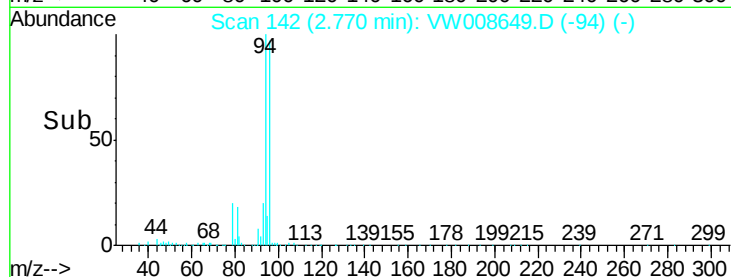
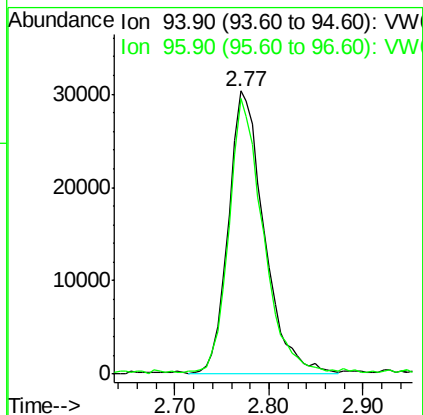
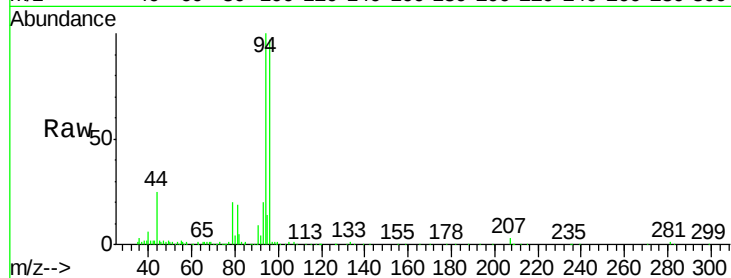
JC-02-021119-O

Tot Ion: 94 Resp: 79752

Ion Ratio Lower Upper

94 100

96 96.6 75.5 113.3



#6

Chloroethane

Concen: 20.520 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW008649.D

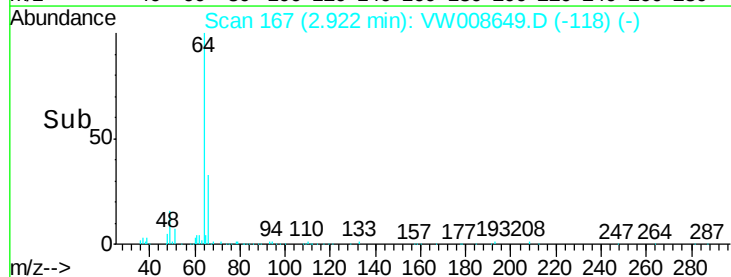
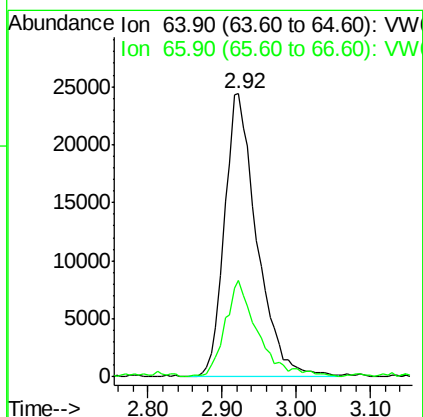
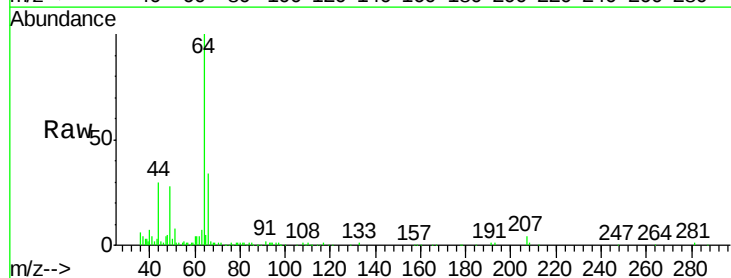
Acq: 13 Feb 2019 20:10

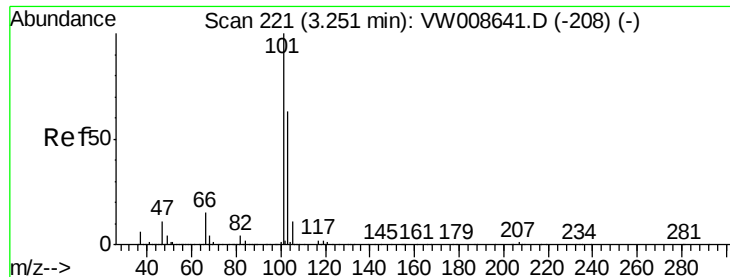
Tgt Ion: 64 Resp: 74428

Ion Ratio Lower Upper

64 100

66 33.6 26.2 39.4



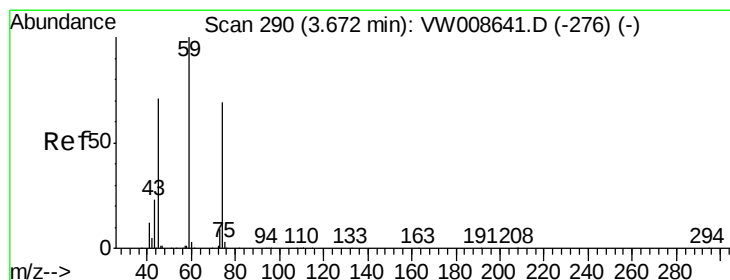
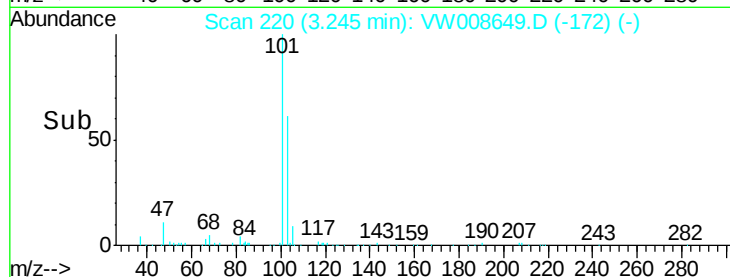
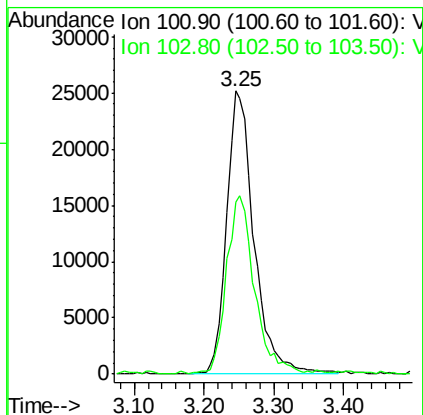
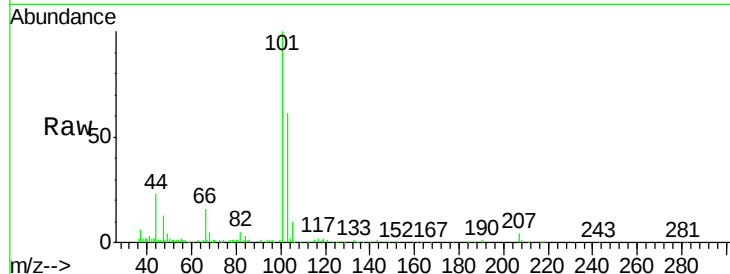


#7

Trichlorofluoromethane
 Concen: 18.038 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW008649.D
 Acq: 13 Feb 2019 20:10

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

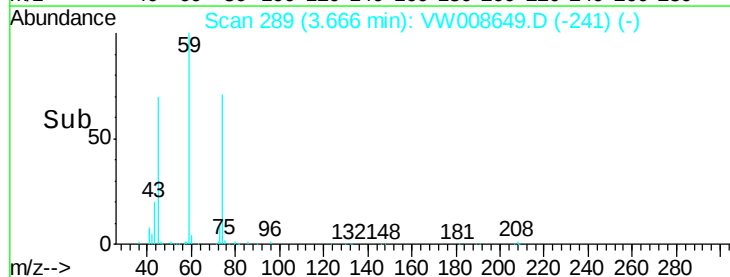
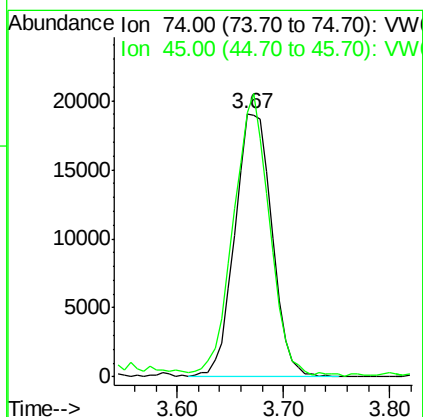
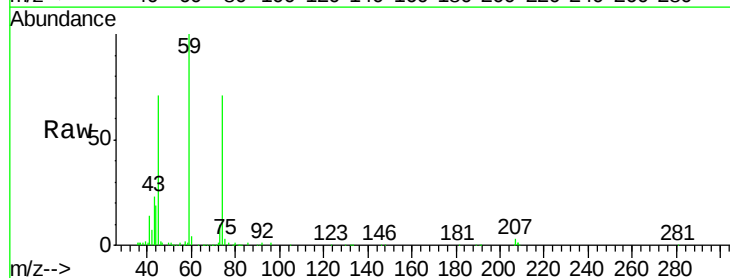
Tot Ion:101 Resp: 68481
 Ion Ratio Lower Upper
 101 100
 103 61.0 50.5 75.7

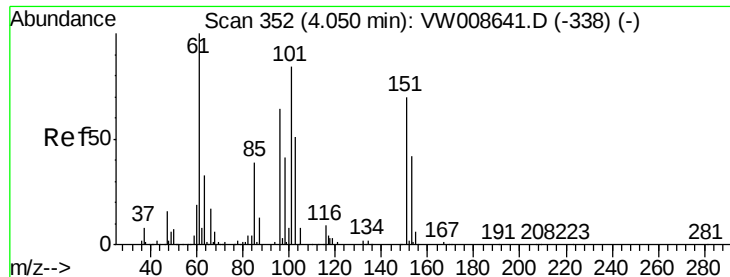


#8

Diethyl Ether
 Concen: 20.704 ug/l
 RT: 3.67 min Scan# 289
 Delta R.T. -0.01 min
 Lab File: VW008649.D
 Acq: 13 Feb 2019 20:10

Tgt Ion: 74 Resp: 46906
 Ion Ratio Lower Upper
 74 100
 45 102.3 50.2 150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.355 ug/l

RT: 4.05 min Scan# 352

Delta R.T. 0.00 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

JC-02-021119-O

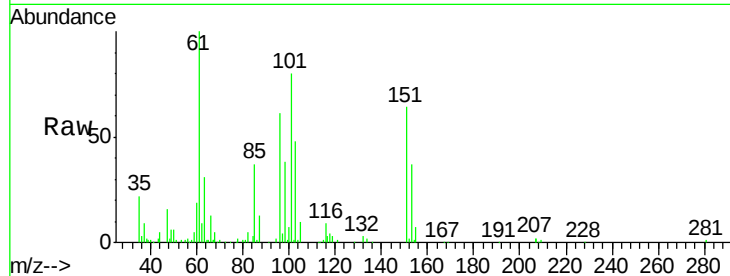
Tot Ion:101 Resp: 81665

Ion Ratio Lower Upper

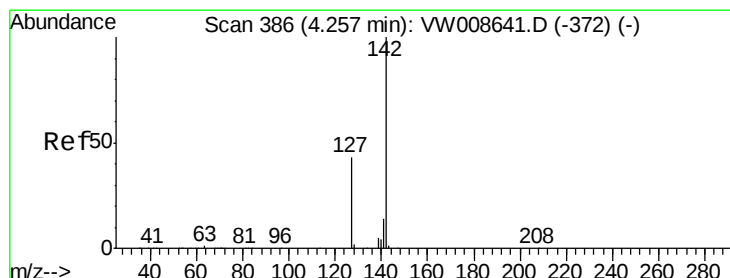
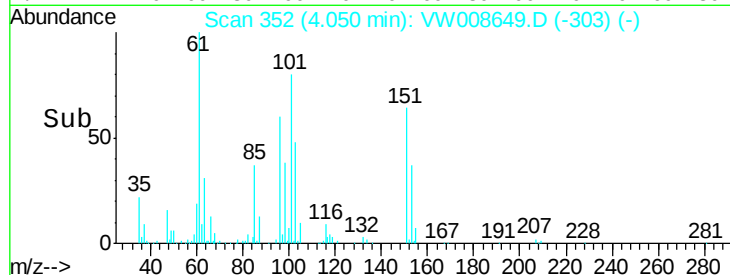
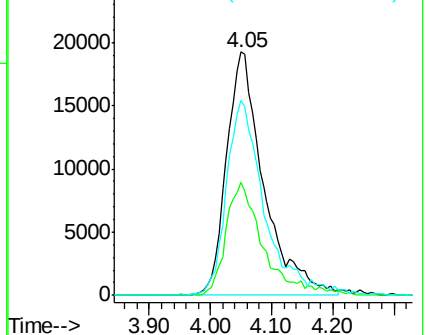
101 100

85 46.3 34.3 51.5

151 78.3 65.6 98.4



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.198 ug/l

RT: 4.26 min Scan# 386

Delta R.T. 0.00 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

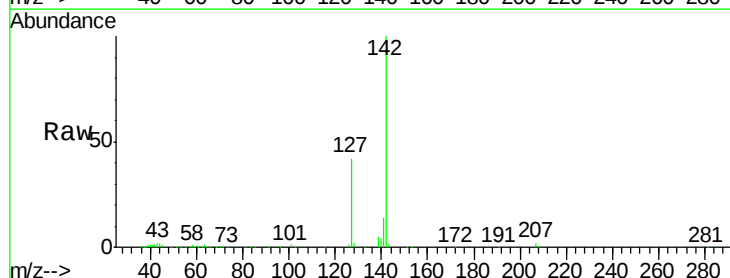
Tgt Ion:142 Resp: 126483

Ion Ratio Lower Upper

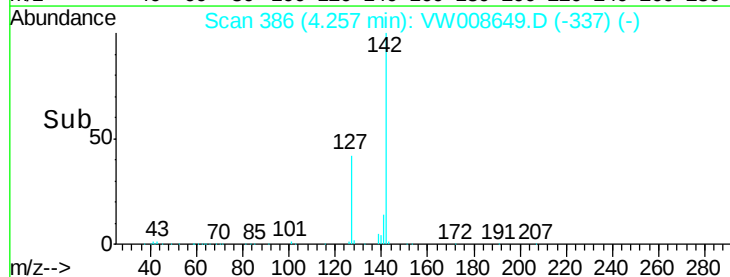
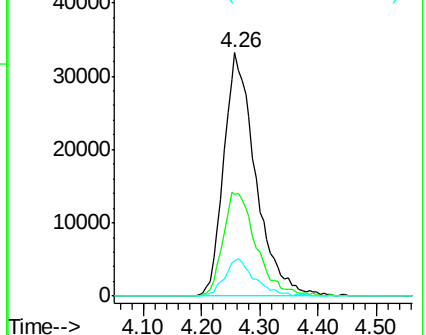
142 100

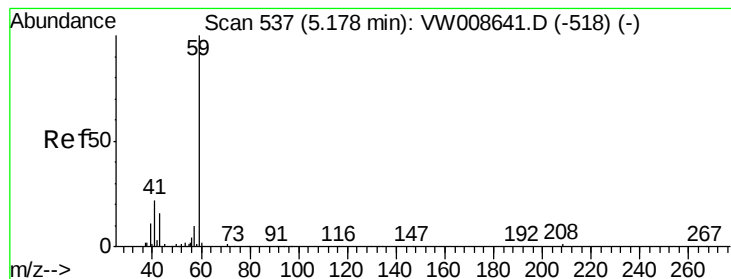
127 44.4 34.8 52.2

141 14.8 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



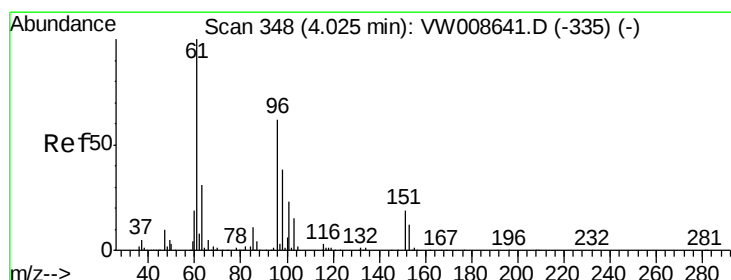
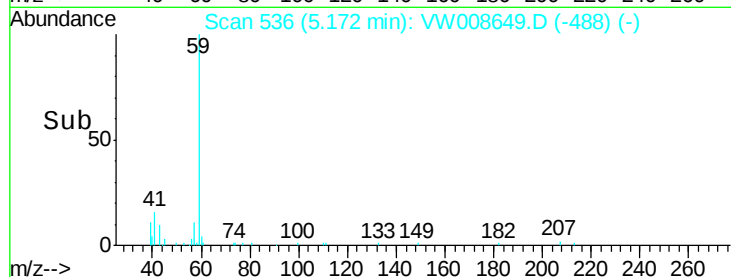
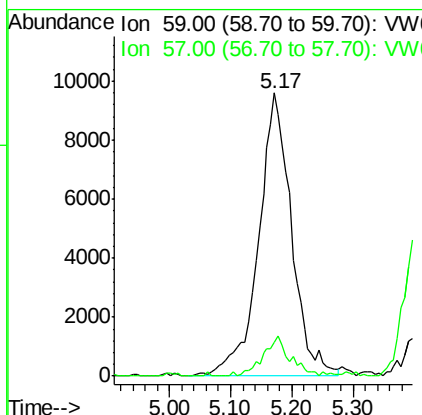
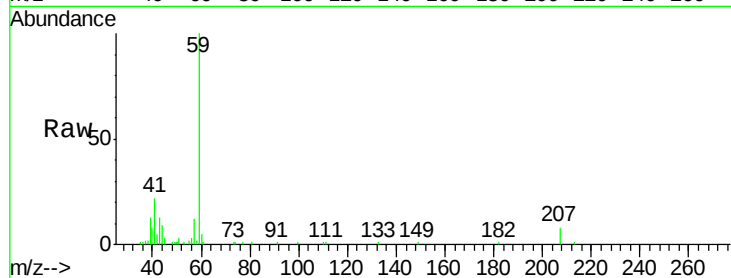


#11

Tert butyl alcohol
 Concen: 107.507 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. -0.01 min
 Lab File: VW008649.D
 Acq: 13 Feb 2019 20:10

Instrument :
 MSVOA_W
 ClientSampleID :
 JC-02-021119-O

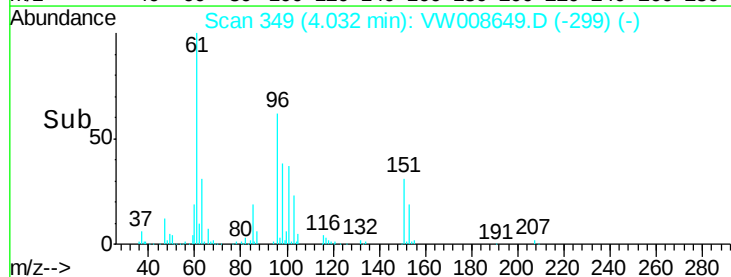
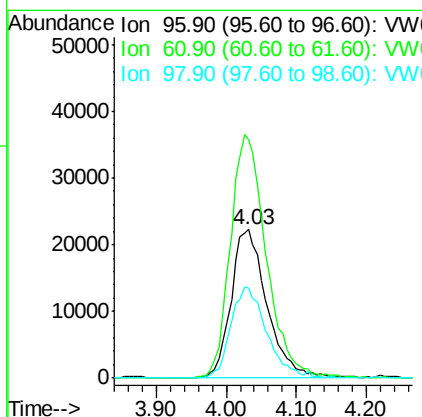
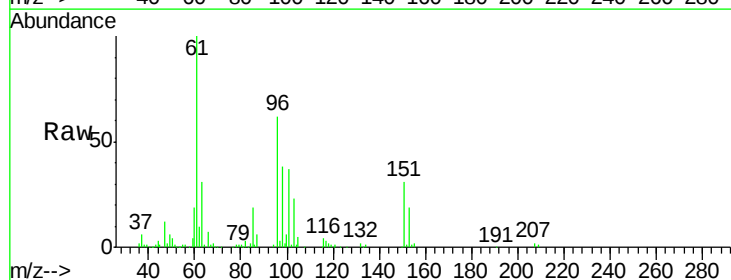
Tot Ion: 59 Resp: 35940
 Ion Ratio Lower Upper
 59 100
 57 11.4 8.3 12.5

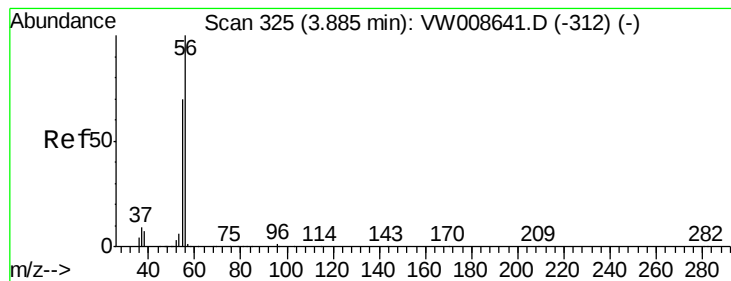


#12

1,1-Dichloroethene
 Concen: 20.297 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. 0.01 min
 Lab File: VW008649.D
 Acq: 13 Feb 2019 20:10

Tgt Ion: 96 Resp: 79639
 Ion Ratio Lower Upper
 96 100
 61 160.2 129.8 194.6
 98 61.0 49.3 73.9





#13

Acrolein

Concen: 104.311 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

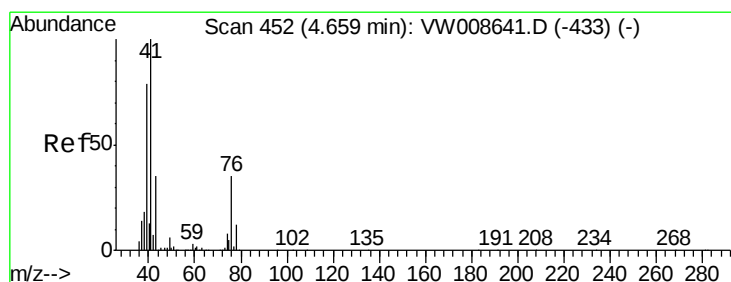
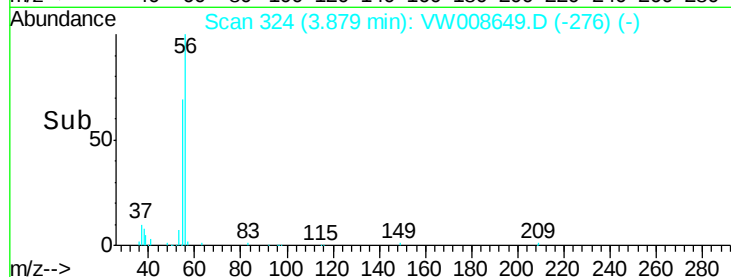
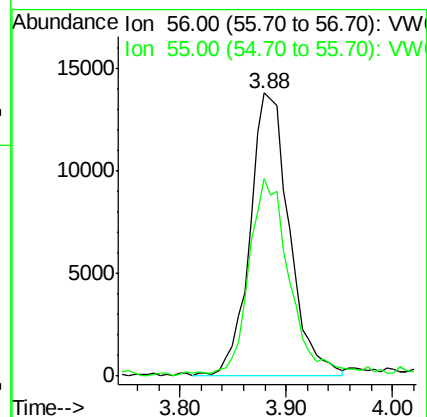
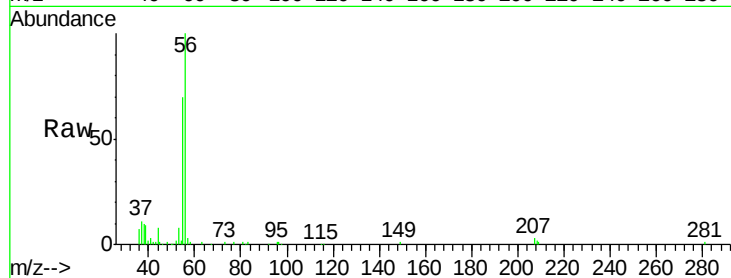
JC-02-021119-O

Tot Ion: 56 Resp: 35928

Ion Ratio Lower Upper

56 100

55 69.0 57.4 86.2



#14

Allyl chloride

Concen: 19.740 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

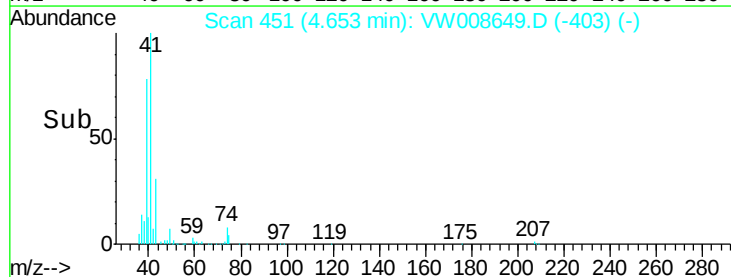
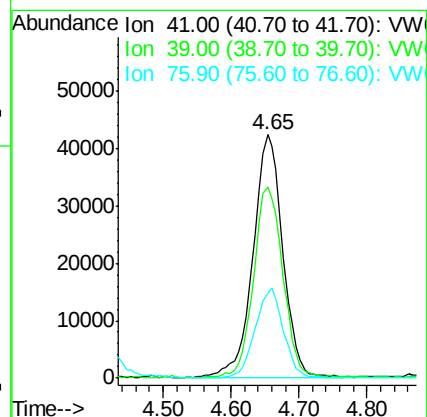
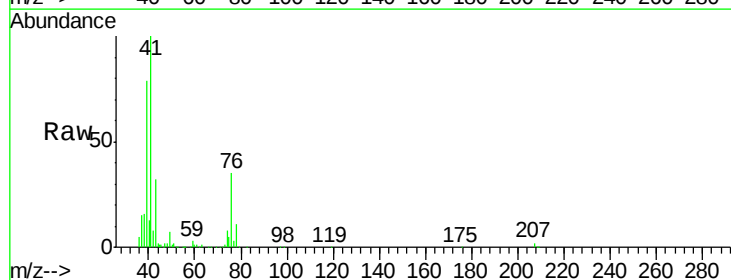
Tgt Ion: 41 Resp: 128683

Ion Ratio Lower Upper

41 100

39 77.8 61.7 92.5

76 35.5 27.7 41.5





#15

Acrylonitrile

Concen: 104.376 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

JC-02-021119-O

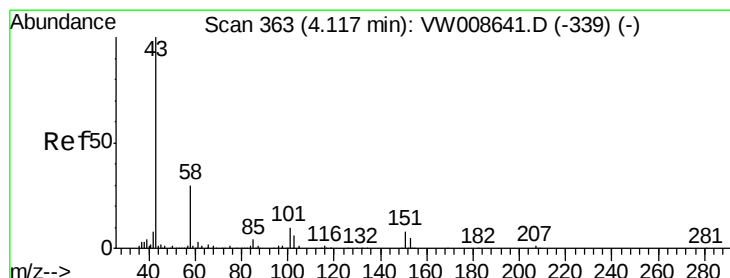
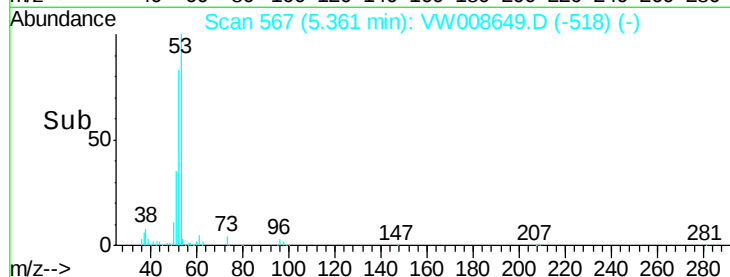
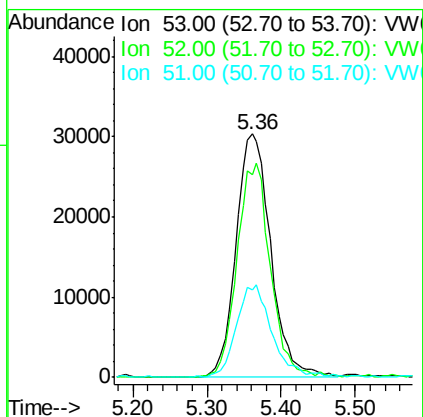
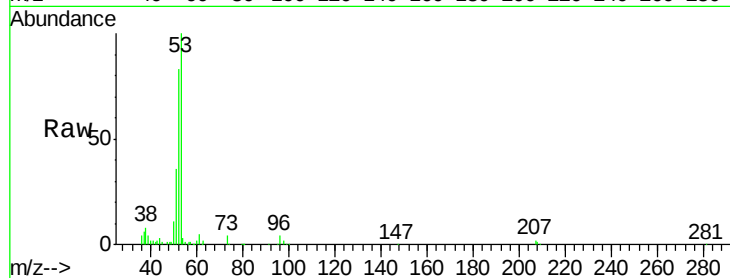
Tot Ion: 53 Resp: 99532

Ion Ratio Lower Upper

53 100

52 83.9 66.8 100.2

51 38.7 29.4 44.0



#16

Acetone

Concen: 96.626 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008649.D

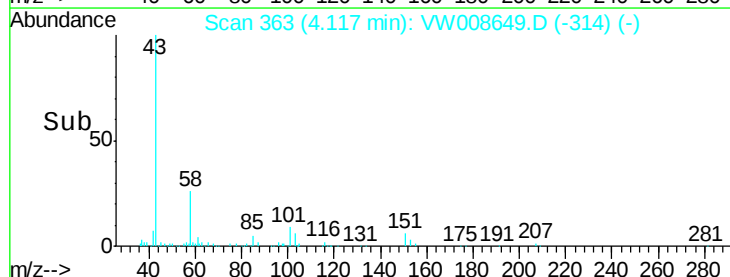
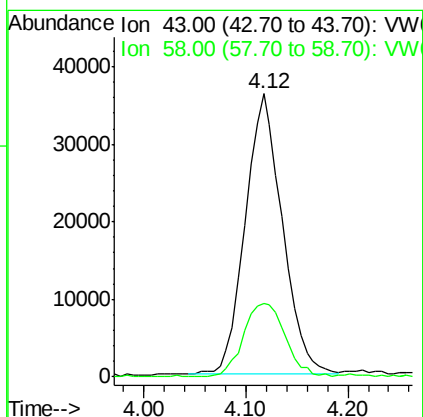
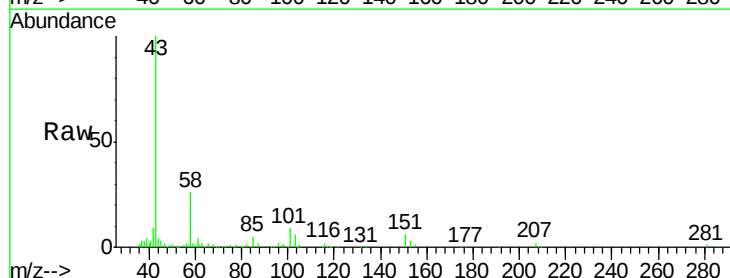
Acq: 13 Feb 2019 20:10

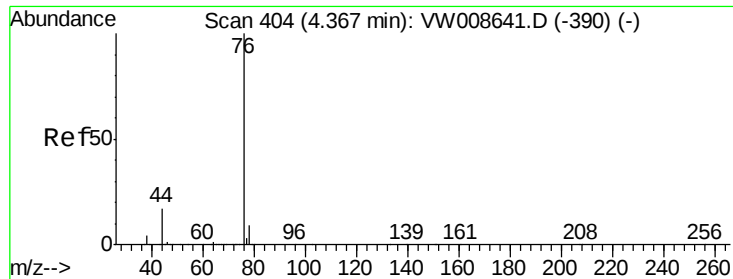
Tgt Ion: 43 Resp: 91873

Ion Ratio Lower Upper

43 100

58 26.1 24.1 36.1





#17

Carbon Disulfide

Concen: 19.884 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.01 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

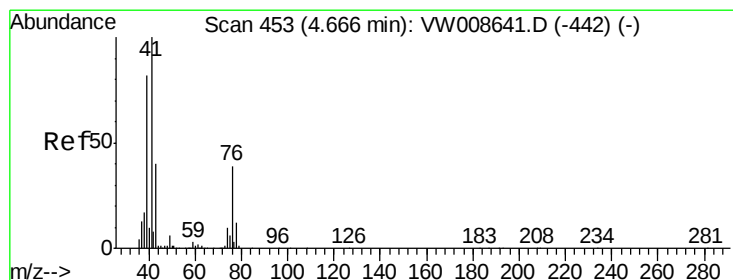
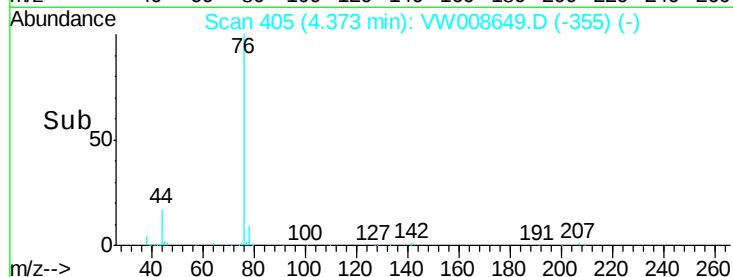
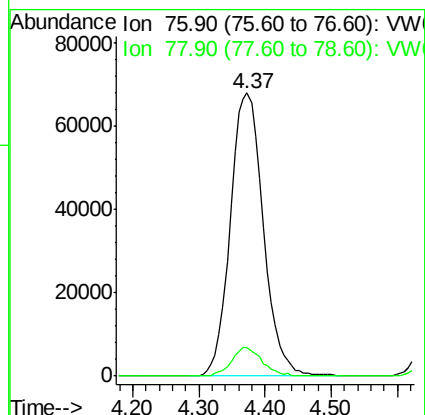
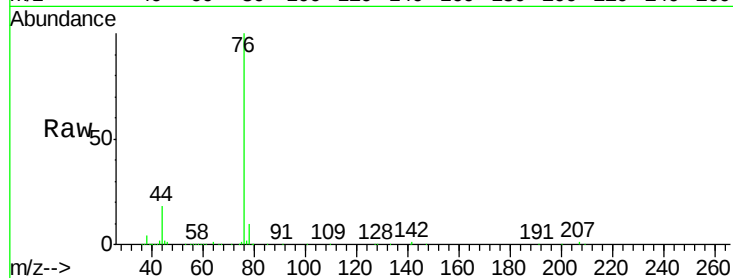
JC-02-021119-O

Tot Ion: 76 Resp: 235441

Ion Ratio Lower Upper

76 100

78 9.9 7.1 10.7



#18

Methyl Acetate

Concen: 20.175 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW008649.D

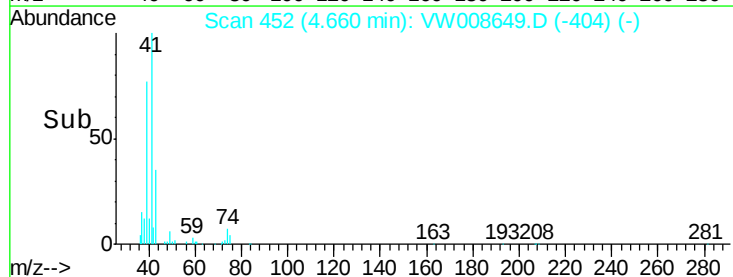
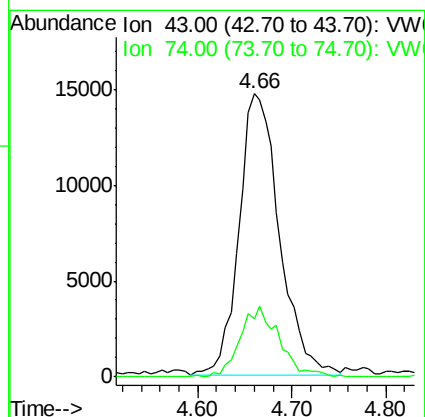
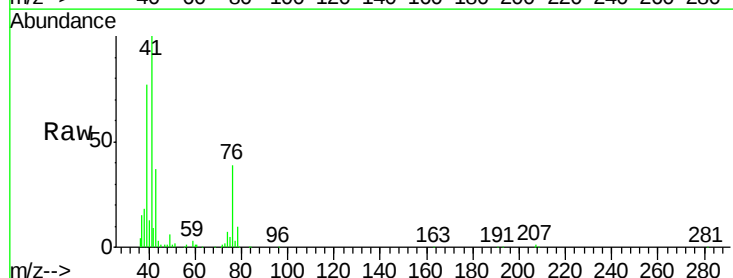
Acq: 13 Feb 2019 20:10

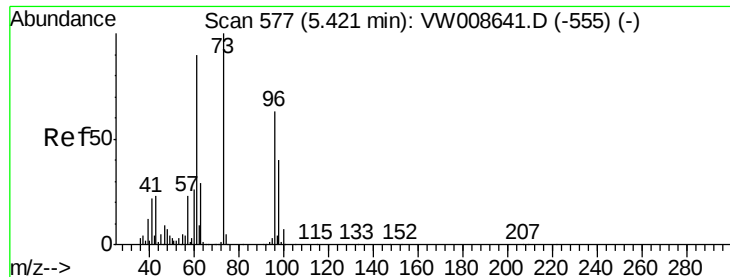
Tgt Ion: 43 Resp: 43833

Ion Ratio Lower Upper

43 100

74 24.1 19.0 28.4

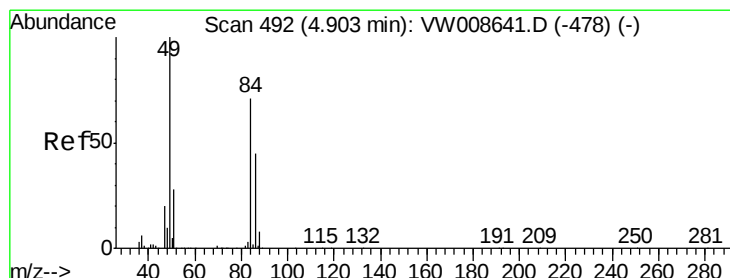
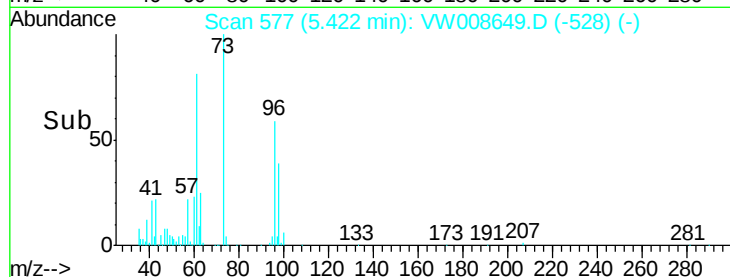
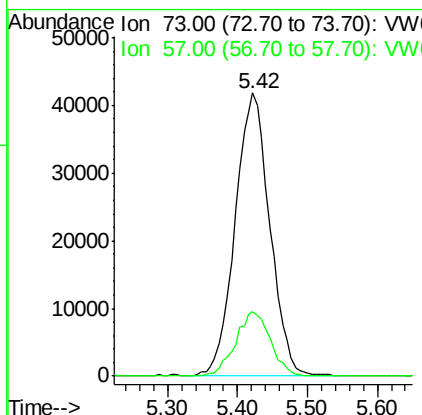
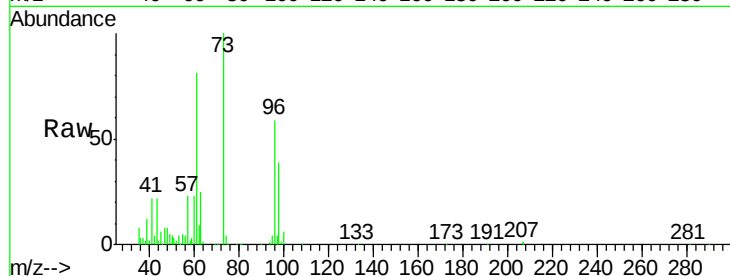




#19
Methvl tert-butvl Ether
Concen: 20.901 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW008649.D
Acq: 13 Feb 2019 20:10

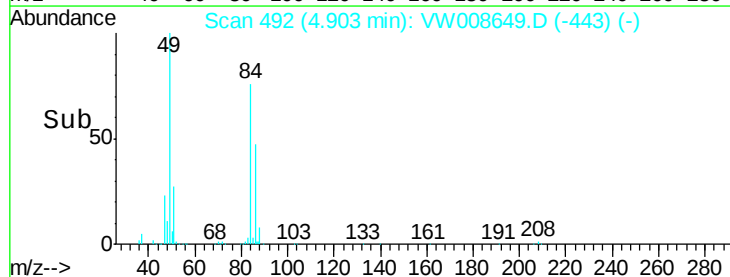
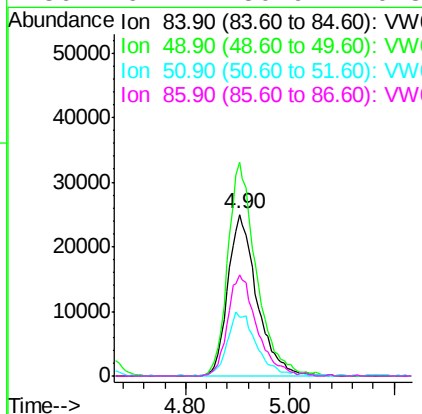
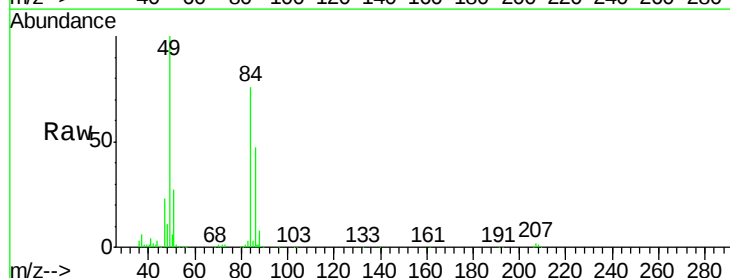
Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-O

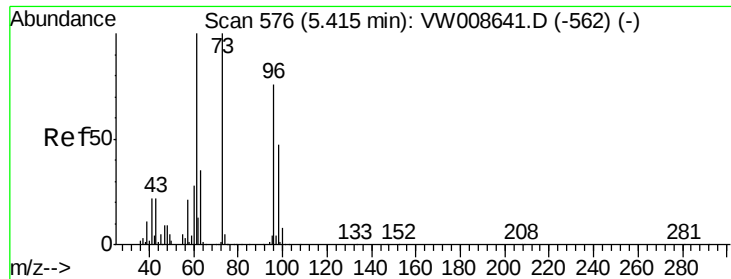
Tot Ion: 73 Resp: 143965
Ion Ratio Lower Upper
73 100
57 22.8 18.2 27.2



#20
Methylene Chloride
Concen: 18.714 ug/l
RT: 4.90 min Scan# 492
Delta R.T. 0.00 min
Lab File: VW008649.D
Acq: 13 Feb 2019 20:10

Tgt Ion: 84 Resp: 97359
Ion Ratio Lower Upper
84 100
49 132.1 113.3 169.9
51 36.2 32.1 48.1
86 62.7 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 19.952 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

JC-02-021119-O

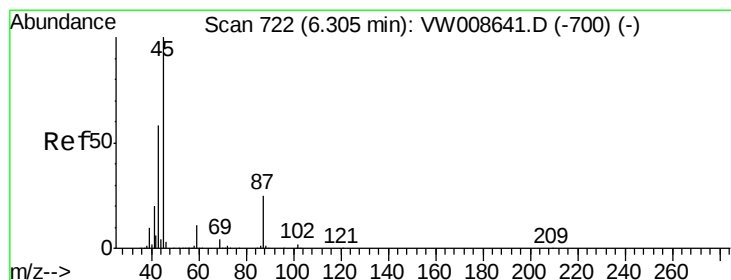
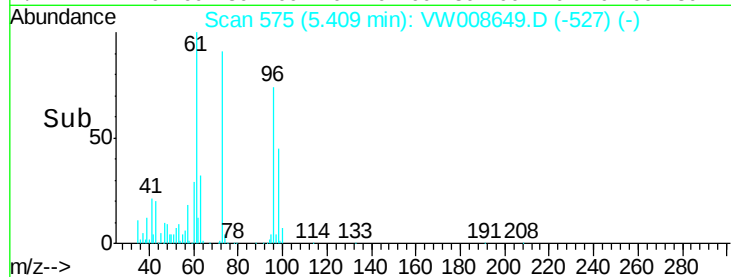
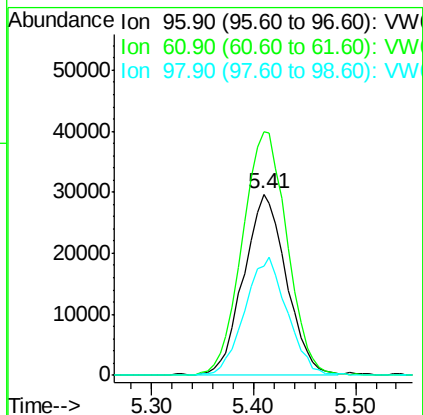
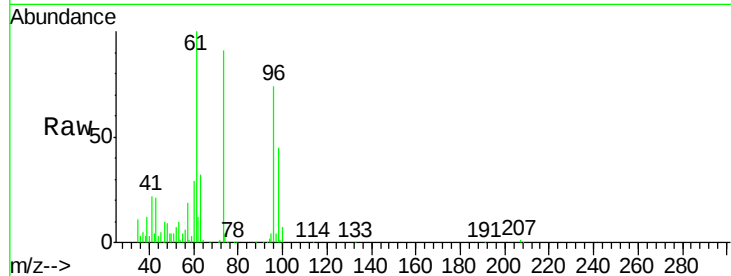
Tot Ion: 96 Resp: 85731

Ion Ratio Lower Upper

96 100

61 134.4 105.9 158.9

98 60.7 49.8 74.6



#22

Diisopropyl ether

Concen: 20.509 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

Tgt Ion: 45 Resp: 269087

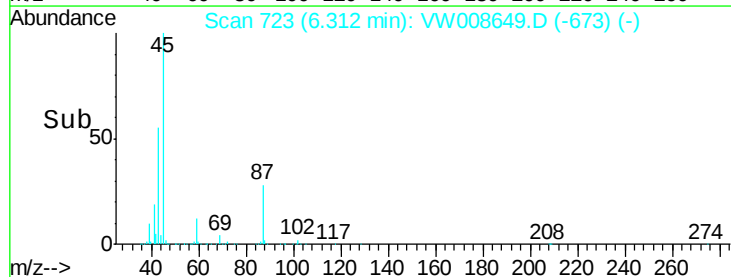
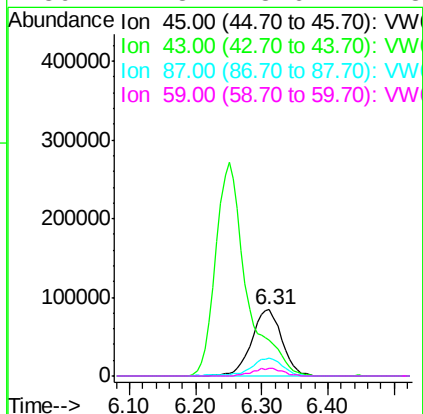
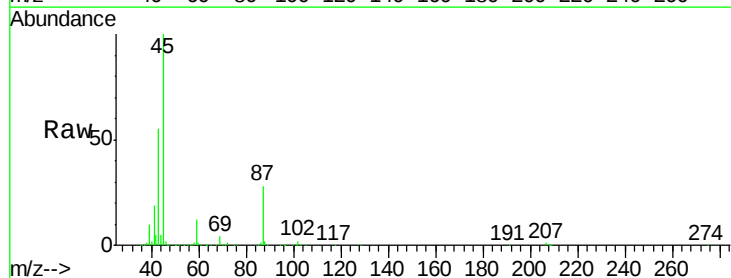
Ion Ratio Lower Upper

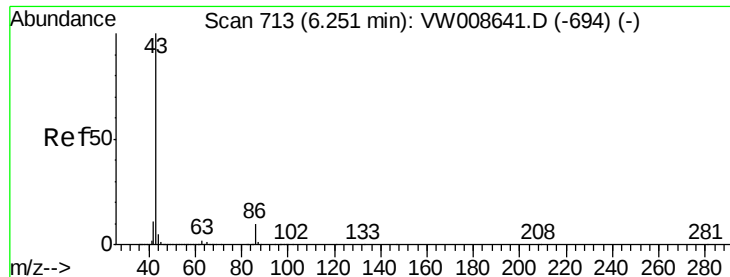
45 100

43 54.6 46.1 69.1

87 27.5 20.5 30.7

59 11.8 8.6 12.8





#23

Vinyl Acetate

Concen: 102.895 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

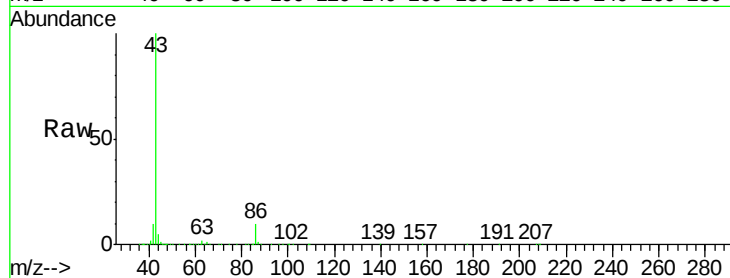
JC-02-021119-O

Tot Ion: 43 Resp: 876183

Ion Ratio Lower Upper

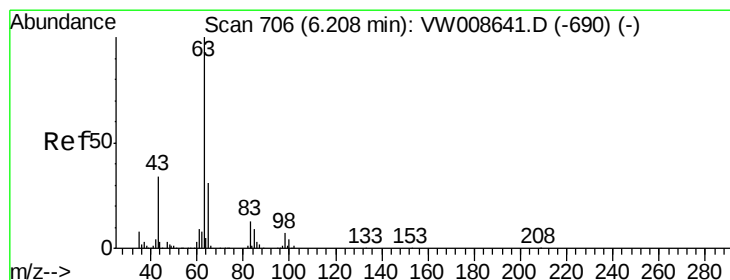
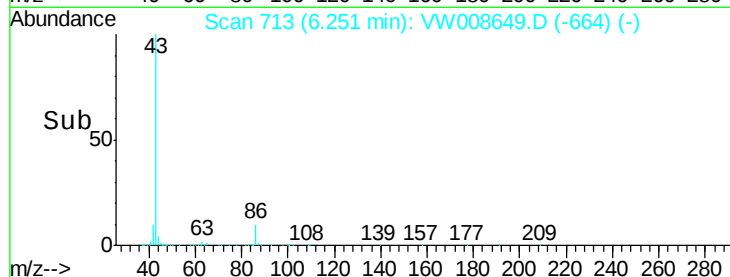
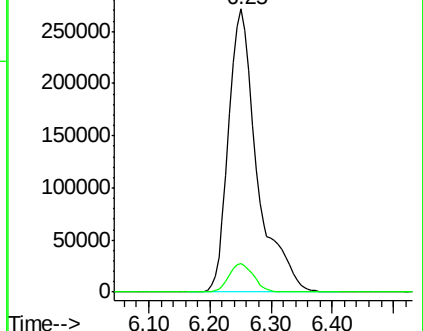
43 100

86 10.0 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.609 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

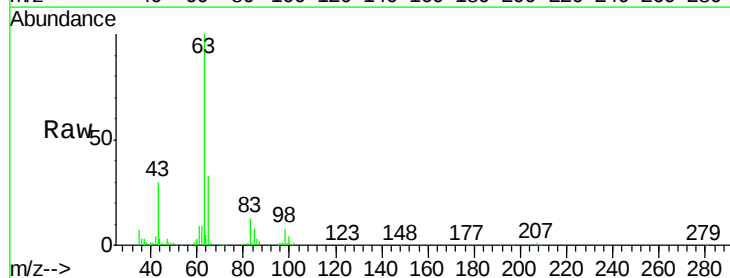
Tgt Ion: 63 Resp: 156032

Ion Ratio Lower Upper

63 100

98 7.7 3.6 10.8

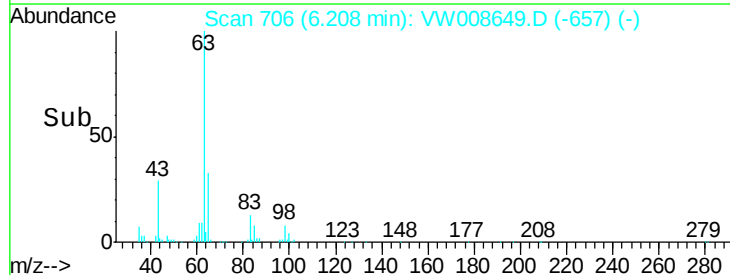
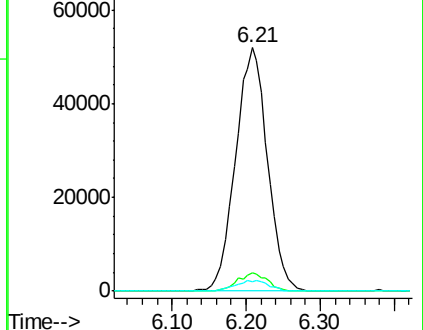
100 3.8 2.2 6.6

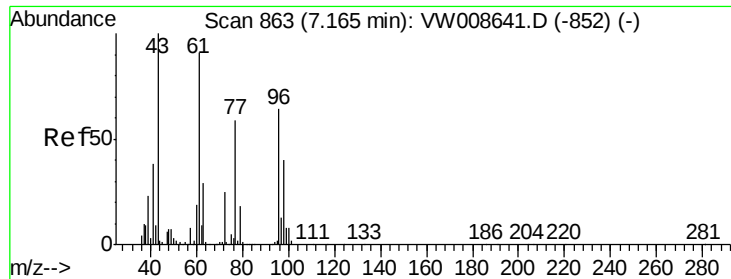


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 102.778 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

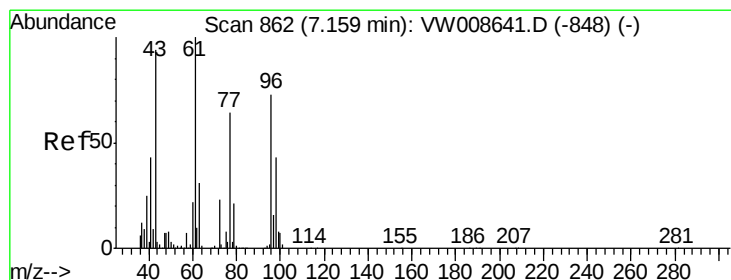
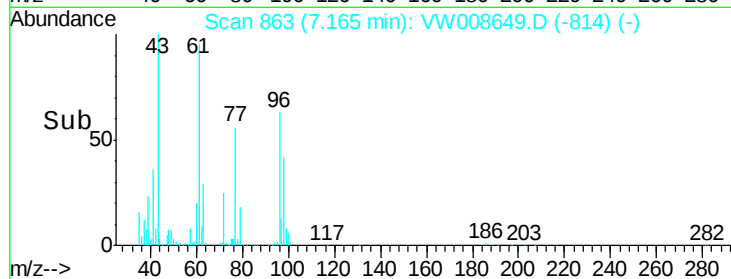
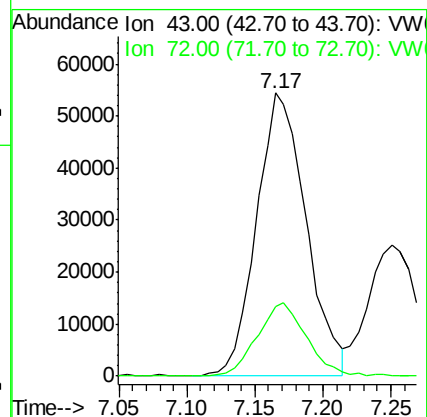
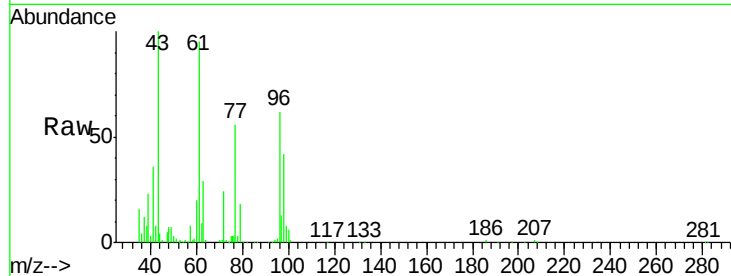
JC-02-021119-O

Tot Ion: 43 Resp: 137989

Ion Ratio Lower Upper

43 100

72 24.5 19.7 29.5



#26

2,2-Dichloropropane

Concen: 19.441 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW008649.D

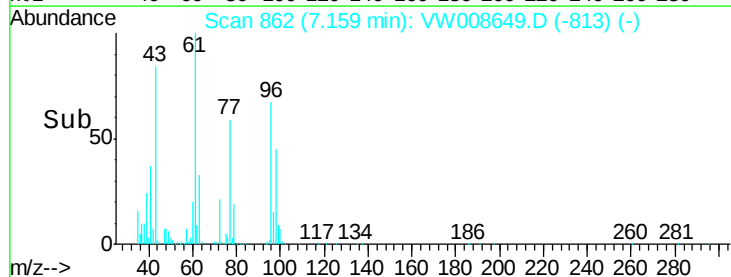
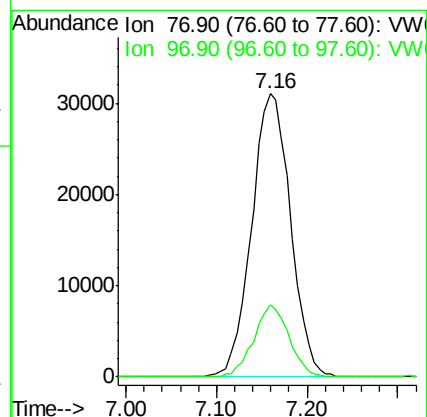
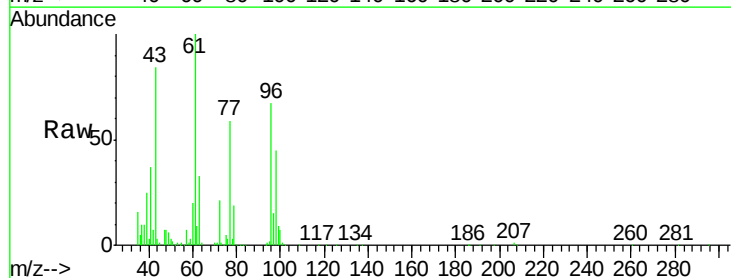
Acq: 13 Feb 2019 20:10

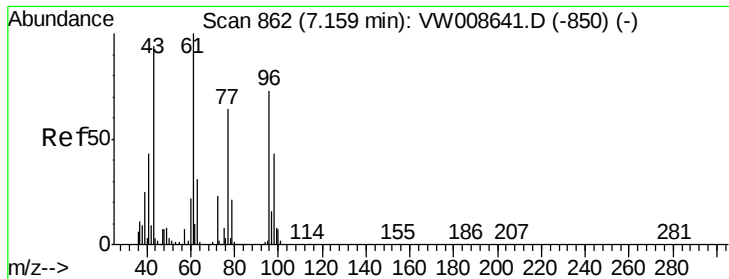
Tgt Ion: 77 Resp: 91947

Ion Ratio Lower Upper

77 100

97 23.1 11.7 35.0



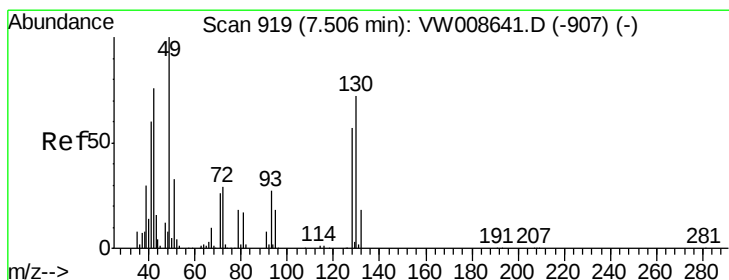
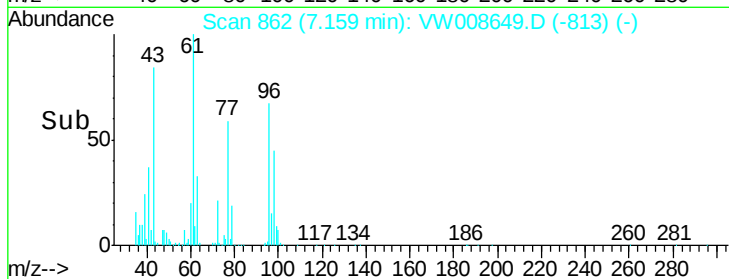
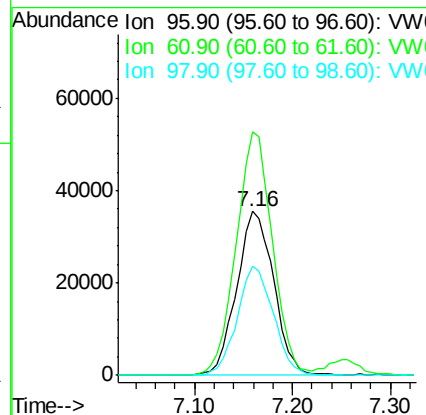
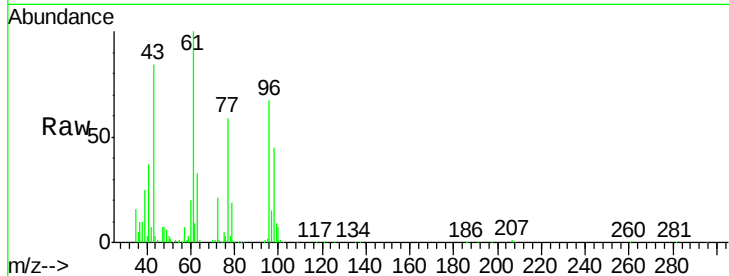


#27

cis-1,2-Dichloroethene
Concen: 20.094 ug/l
RT: 7.16 min Scan# 862
Delta R.T. 0.00 min
Lab File: VW008649.D
Acq: 13 Feb 2019 20:10

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

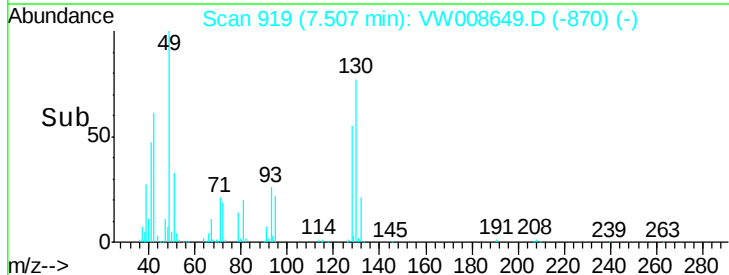
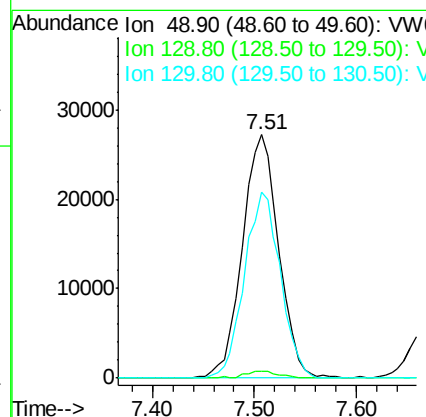
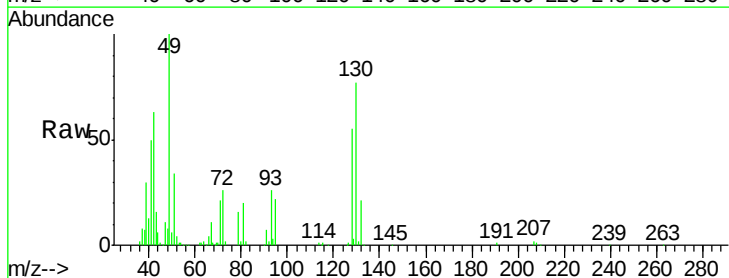
Tot Ion	Ratio	Lower	Upper
96	100		
61	145.0	0.0	286.4
98	64.7	0.0	125.0

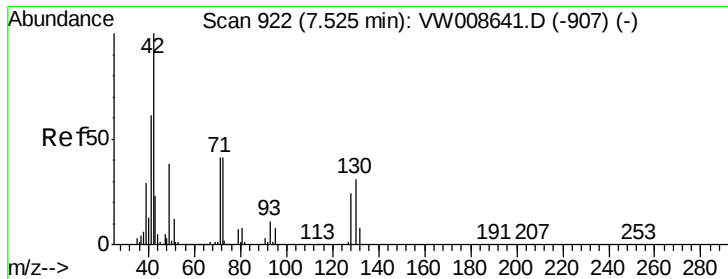


#28

Bromochloromethane
Concen: 21.037 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW008649.D
Acq: 13 Feb 2019 20:10

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	3.2
130	75.7	59.4	89.0

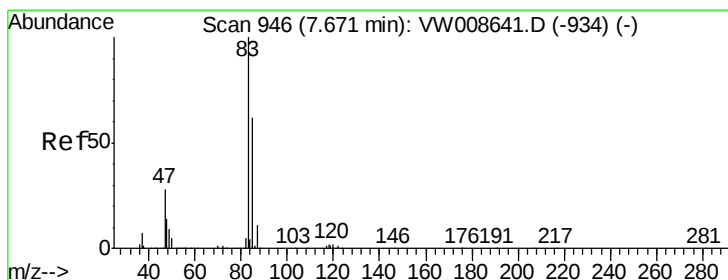
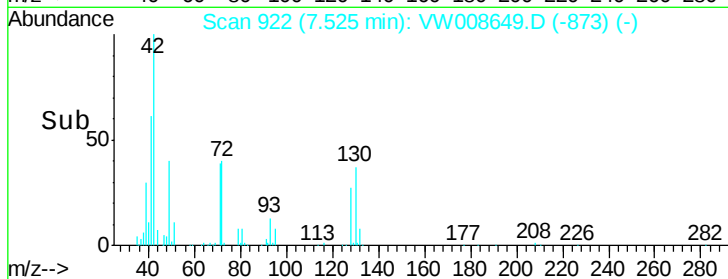
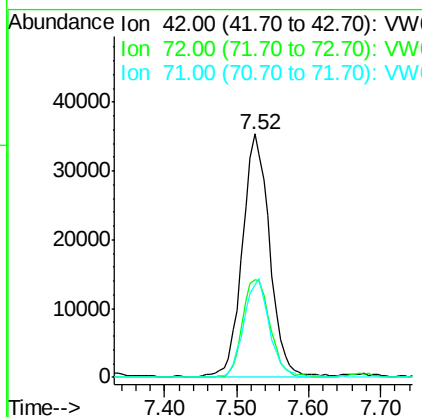
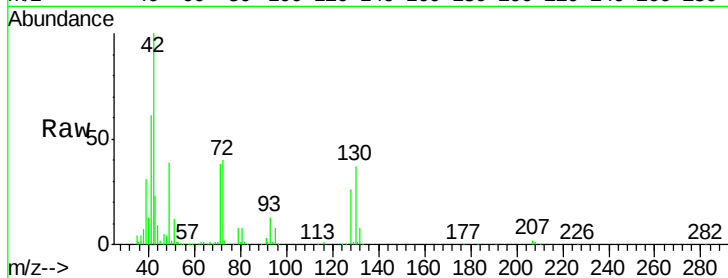




#29
Tetrahydrofuran
Concen: 104.044 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW008649.D
Acq: 13 Feb 2019 20:10

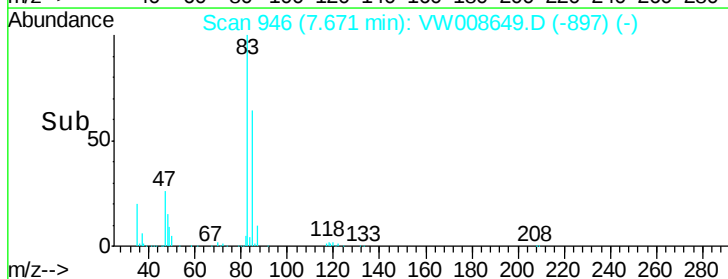
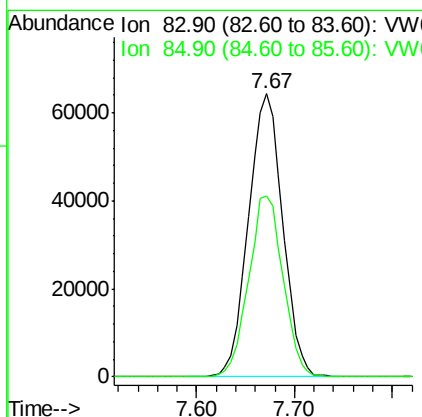
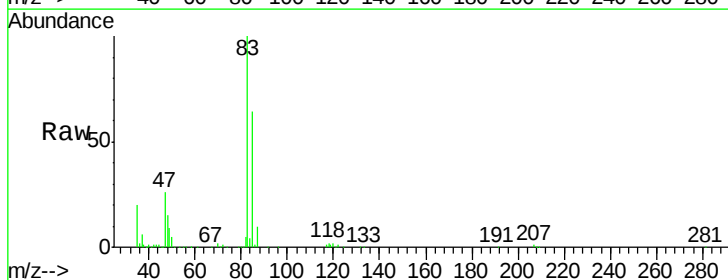
Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-O

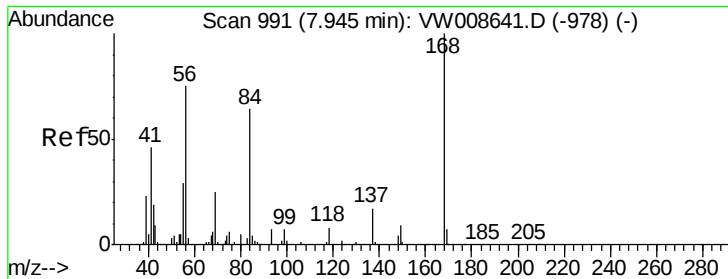
Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	32.2	48.2
71	38.3	31.0	46.6



#30
Chloroform
Concen: 20.577 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008649.D
Acq: 13 Feb 2019 20:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	49.8	74.8





#31

Cyclohexane

Concen: 19.498 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

JC-02-021119-O

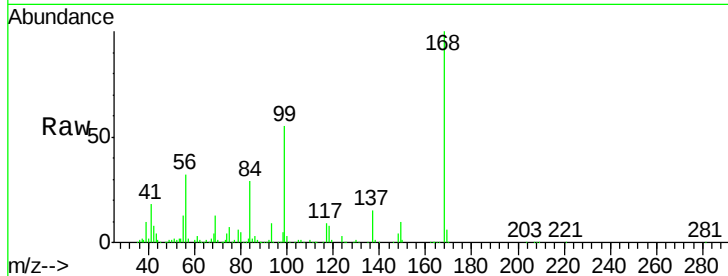
Tot Ion: 56 Resp: 148995

Ion Ratio Lower Upper

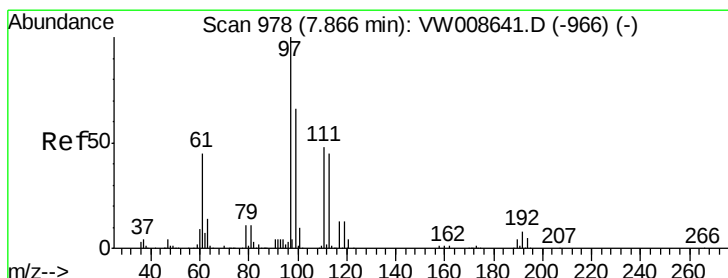
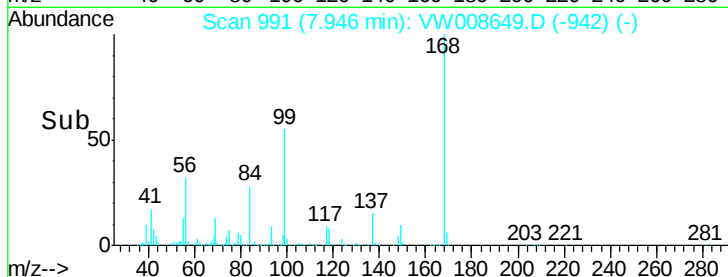
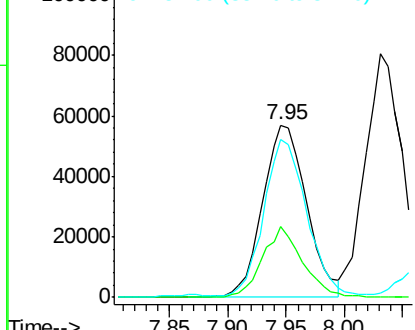
56 100

69 41.4 26.4 39.6#

84 90.1 67.4 101.2



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



#32

1,1,1-Trichloroethane

Concen: 19.848 ug/l

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

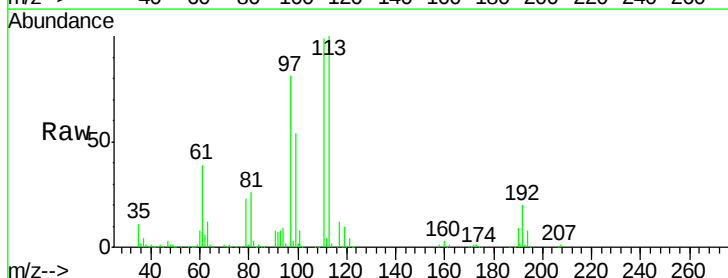
Tgt Ion: 97 Resp: 127161

Ion Ratio Lower Upper

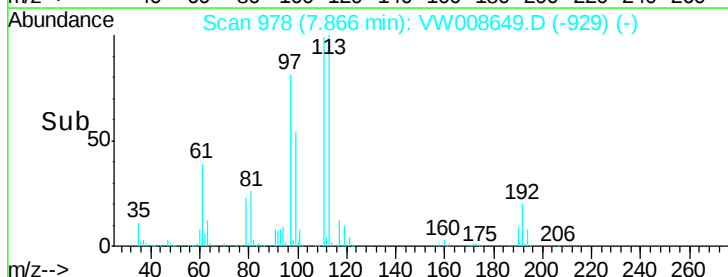
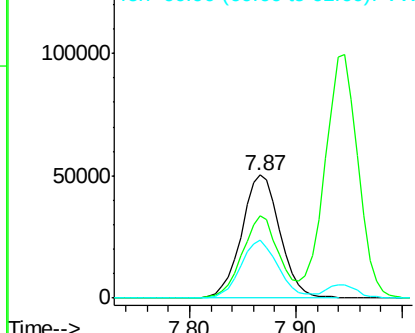
97 100

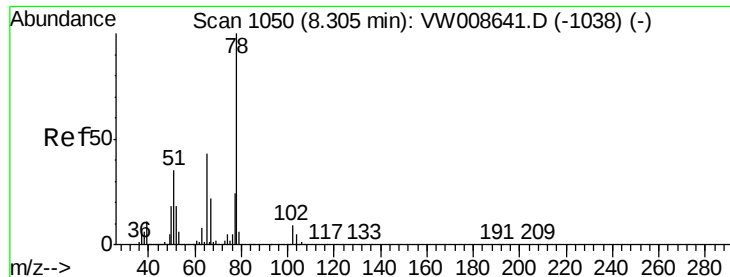
99 64.4 51.6 77.4

61 46.4 35.8 53.6



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





#33

1,2-Dichloroethane-d4

Concen: 53.761 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

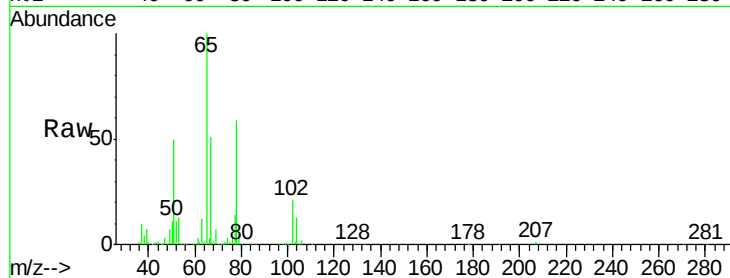
JC-02-021119-O

Tot Ion: 65 Resp: 224630

Ion Ratio Lower Upper

65 100

67 52.1 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

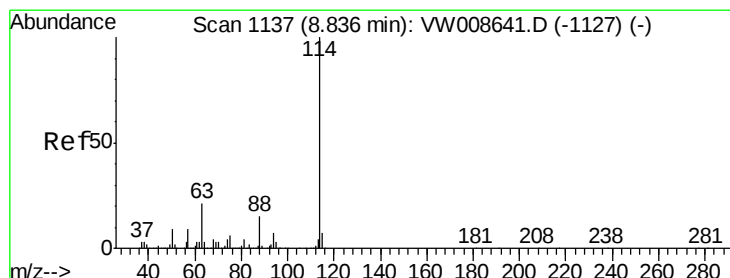
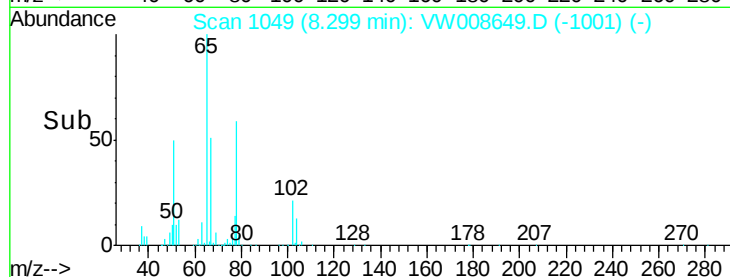
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

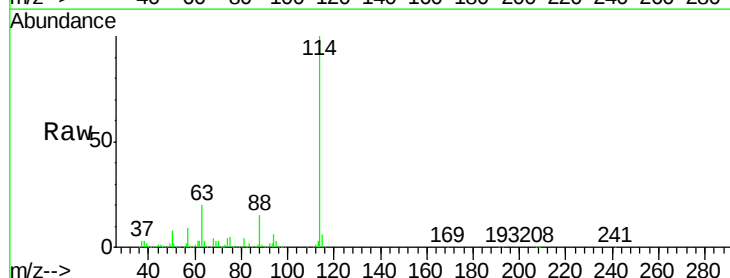
Tgt Ion: 114 Resp: 623155

Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.2

88 14.7 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

8.84

400000

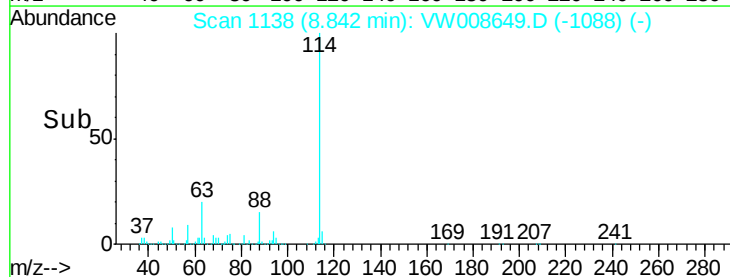
300000

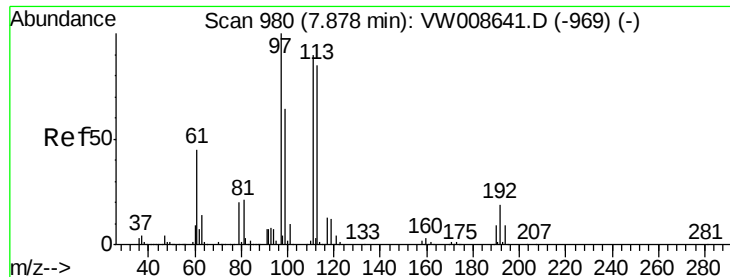
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 53.734 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

JC-02-021119-O

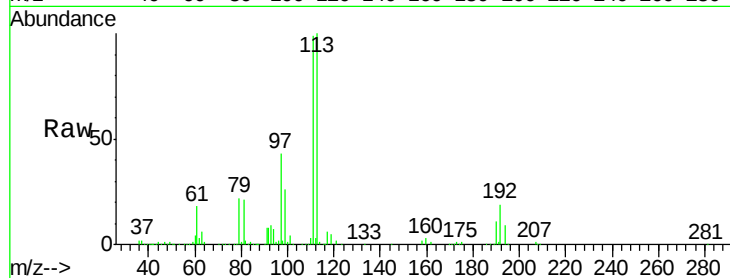
Tot Ion:113 Resp: 207919

Ion Ratio Lower Upper

113 100

111 101.6 84.0 126.0

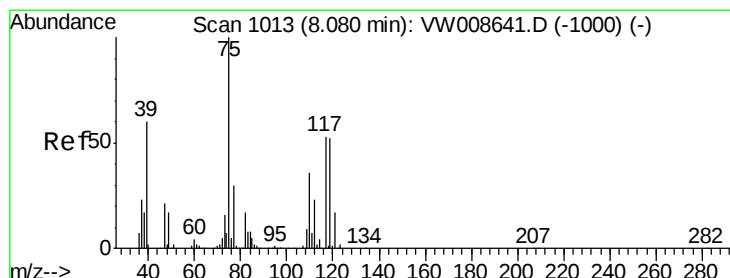
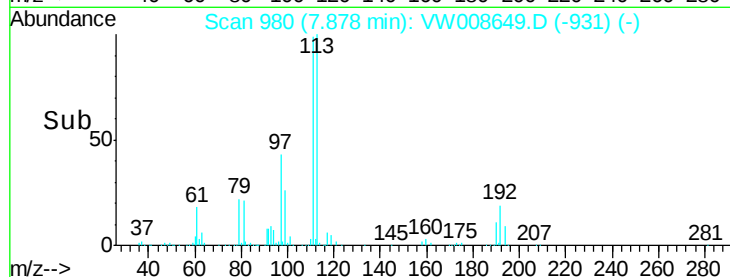
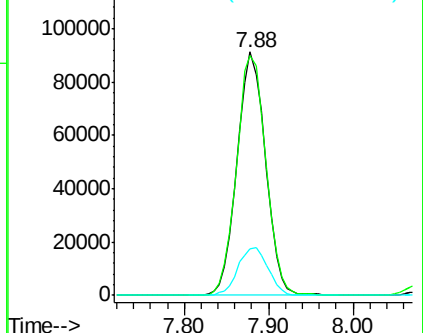
192 20.6 17.4 26.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.944 ug/l

RT: 8.07 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

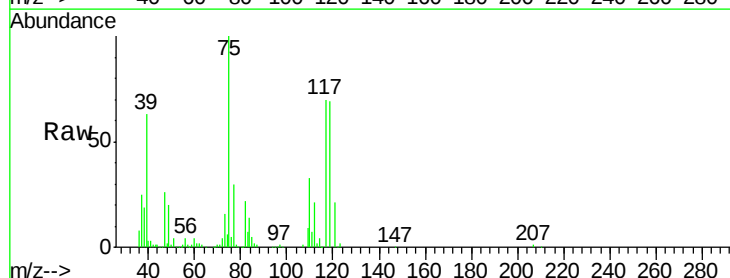
Tgt Ion: 75 Resp: 124866

Ion Ratio Lower Upper

75 100

110 34.6 17.8 53.3

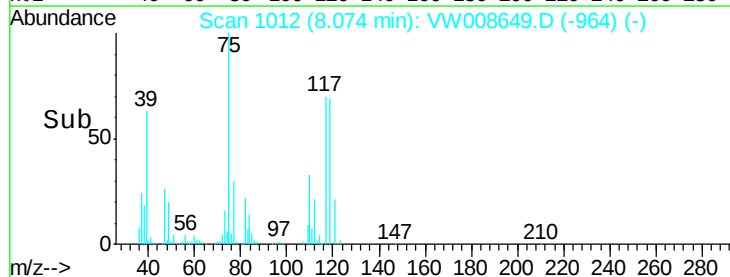
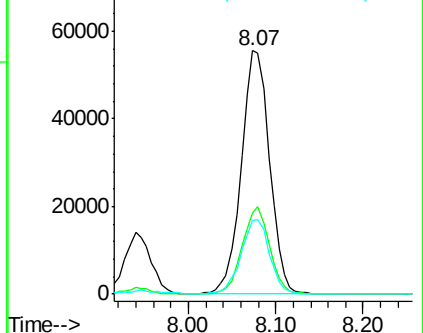
77 30.8 24.7 37.1

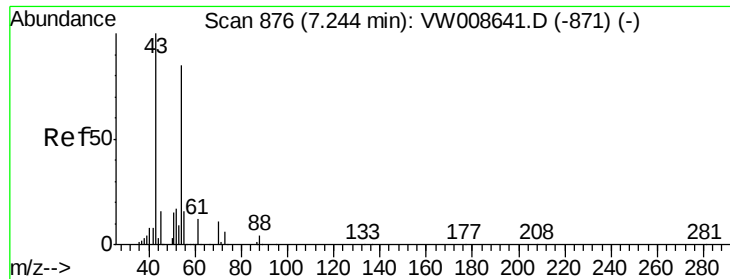


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

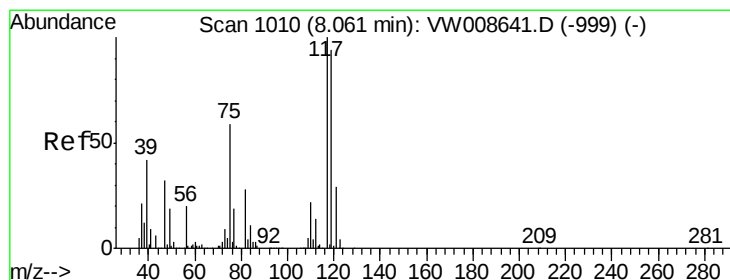
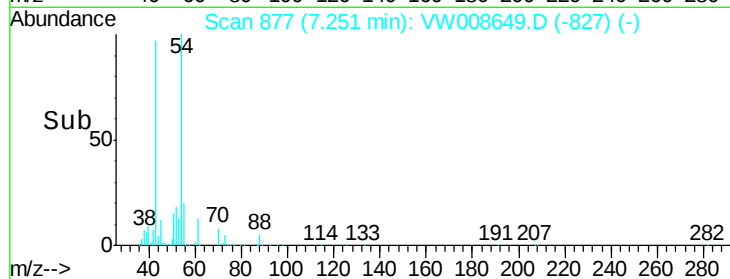
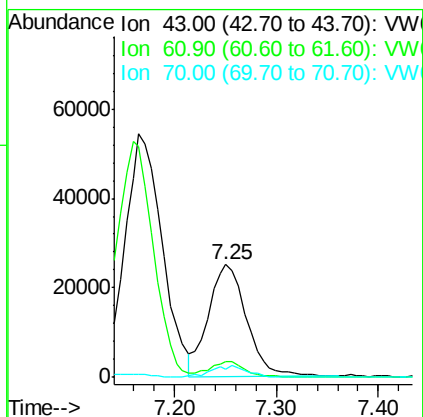
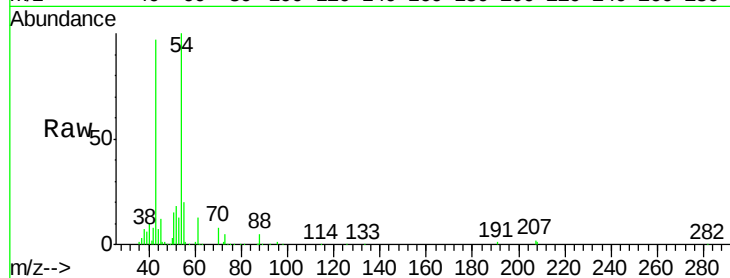




#37
Ethyl Acetate
Concen: 21.624 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: VW008649.D
Acq: 13 Feb 2019 20:10

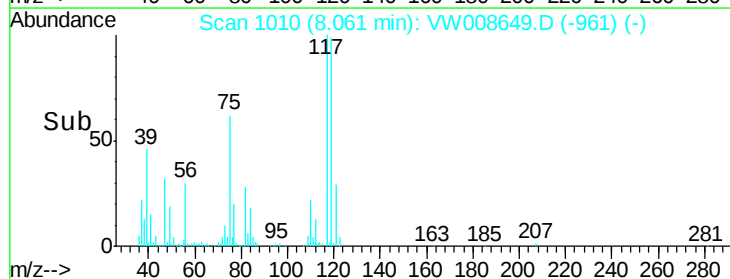
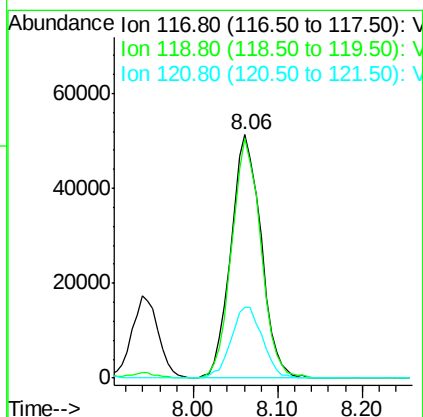
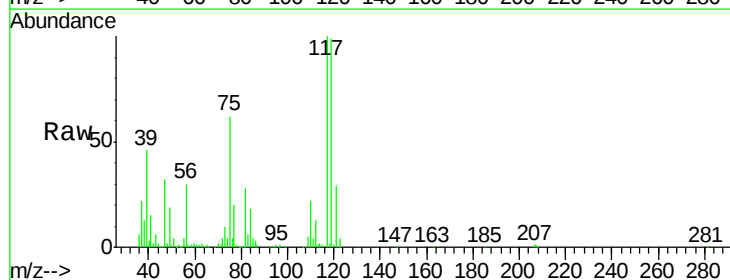
Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-O

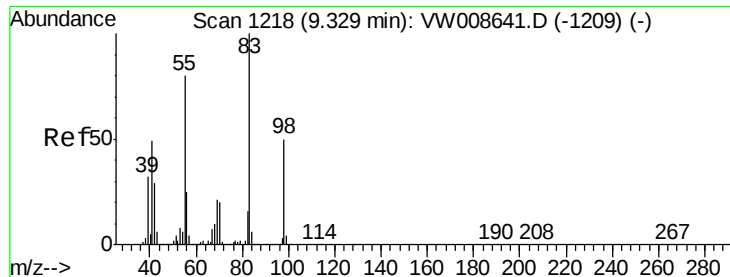
Tot Ion: 43 Resp: 65306
Ion Ratio Lower Upper
43 100
61 12.9 10.5 15.7
70 9.8 8.1 12.1



#38
Carbon Tetrachloride
Concen: 19.995 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW008649.D
Acq: 13 Feb 2019 20:10

Tgt Ion: 117 Resp: 124479
Ion Ratio Lower Upper
117 100
119 98.7 75.1 112.7
121 29.0 23.5 35.3

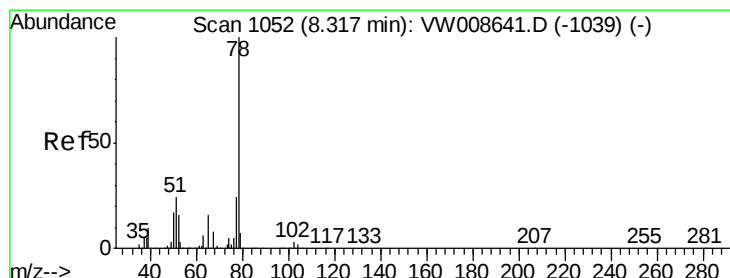
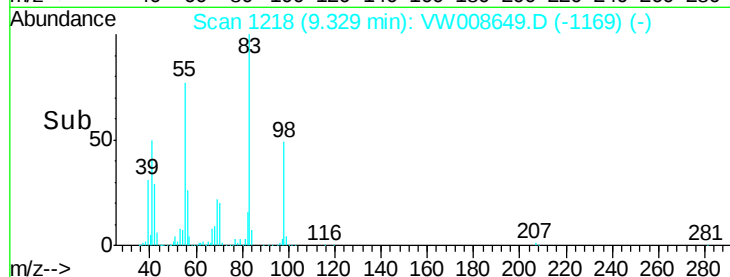
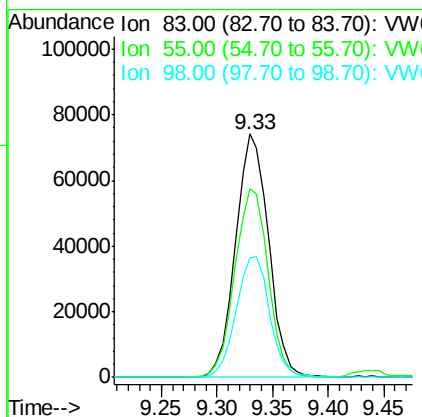
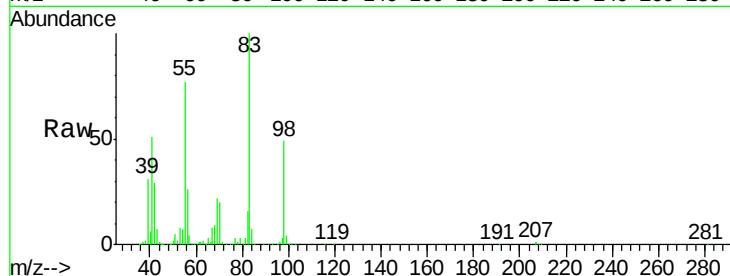




#39
Methvlcvclohexane
Concen: 19.276 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW008649.D
Acq: 13 Feb 2019 20:10

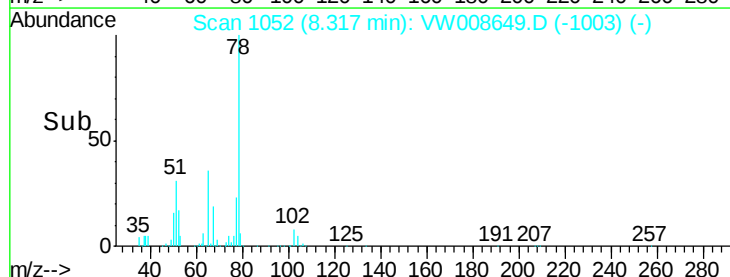
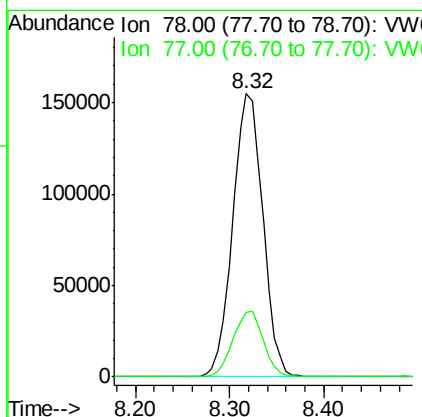
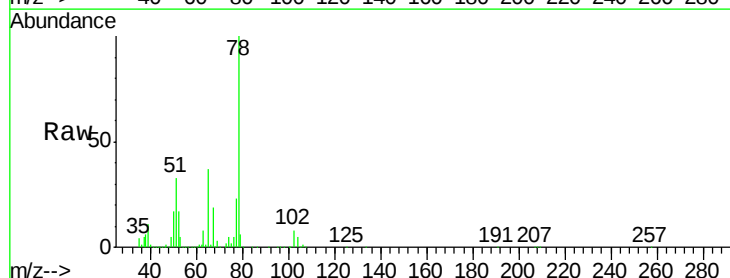
Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-O

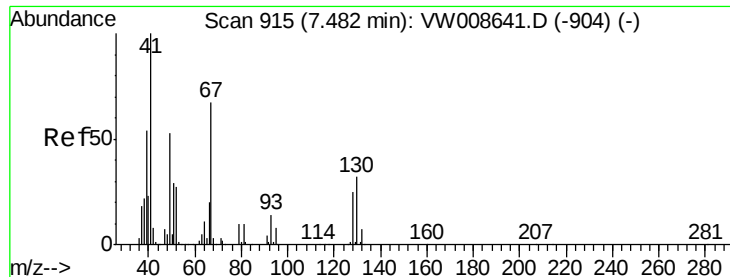
Tot Ion: 83 Resp: 152642
Ion Ratio Lower Upper
83 100
55 77.3 63.9 95.9
98 49.0 40.2 60.2



#40
Benzene
Concen: 20.176 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW008649.D
Acq: 13 Feb 2019 20:10

Tgt Ion: 78 Resp: 344979
Ion Ratio Lower Upper
78 100
77 23.0 19.5 29.3

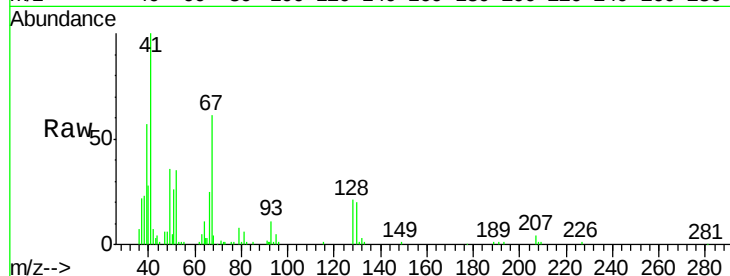




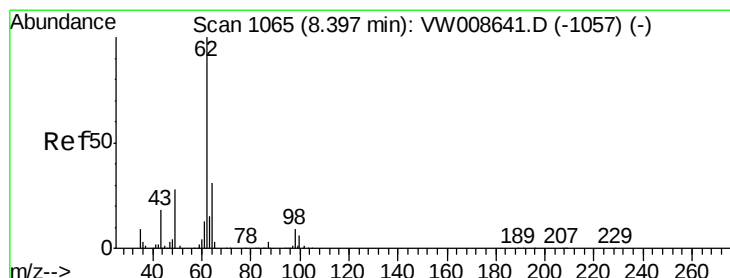
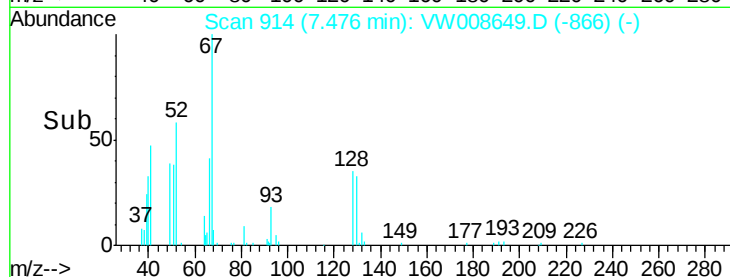
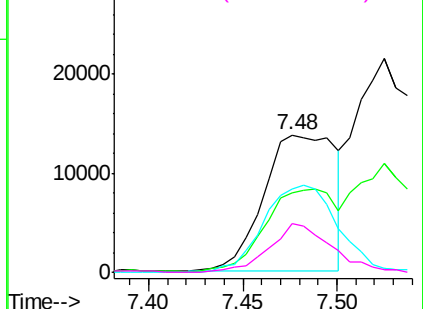
#41
Methacrylonitrile
Concen: 21.601 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW008649.D
Acq: 13 Feb 2019 20:10

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

Tot Ion:	41	Resp:	36705
Ion	Ratio	Lower	Upper
41	100		
39	58.6	39.7	59.5
67	65.6	52.5	78.7
52	30.3	23.1	34.7

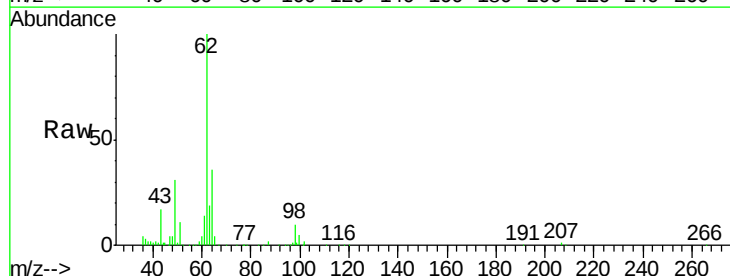


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

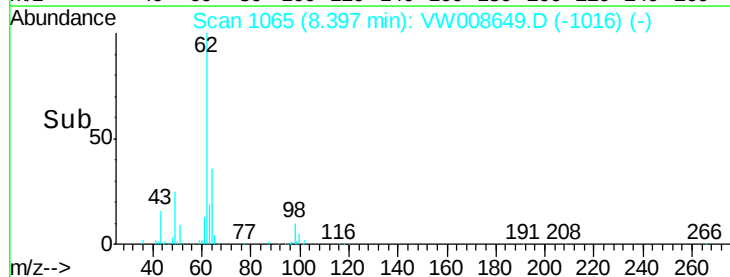
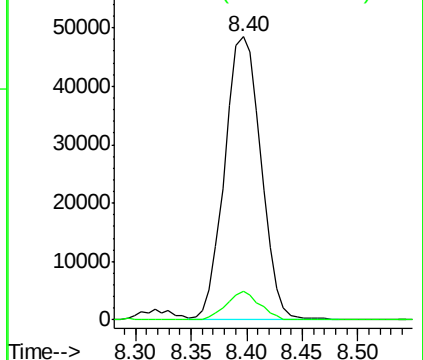


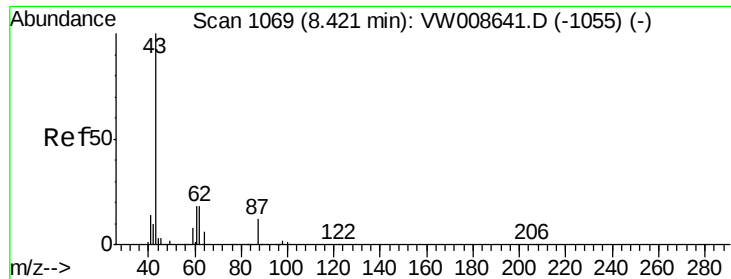
#42
1,2-Dichloroethane
Concen: 20.717 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008649.D
Acq: 13 Feb 2019 20:10

Tgt Ion:	62	Resp:	109875
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2



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



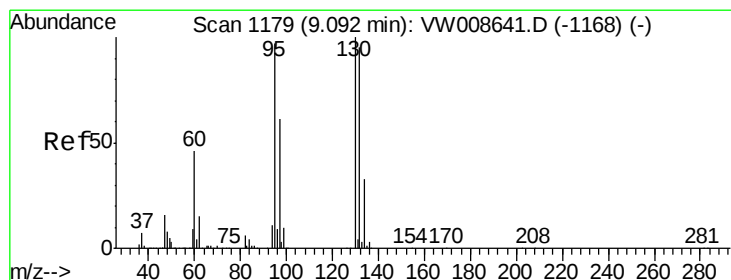
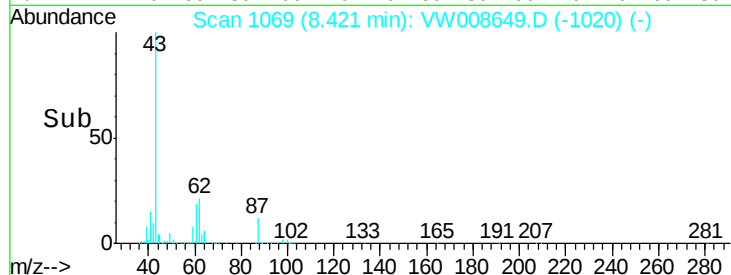
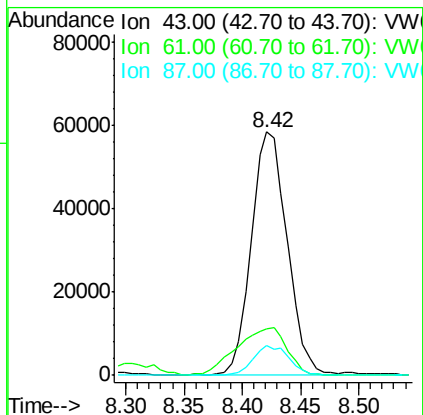
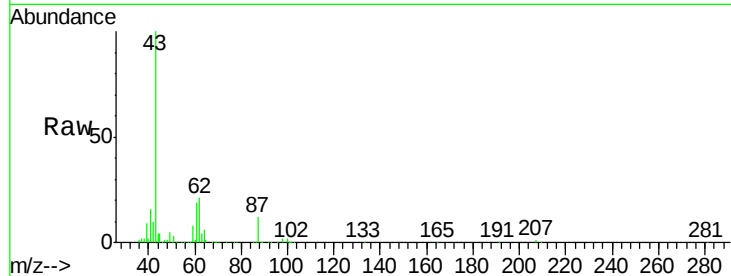


#43

Isopropyl Acetate
 Concen: 20.714 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. 0.00 min
 Lab File: VW008649.D
 Acq: 13 Feb 2019 20:10

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

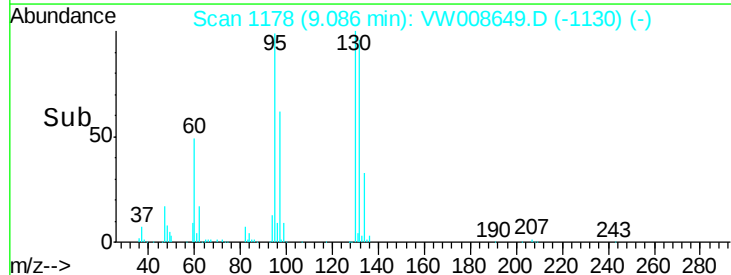
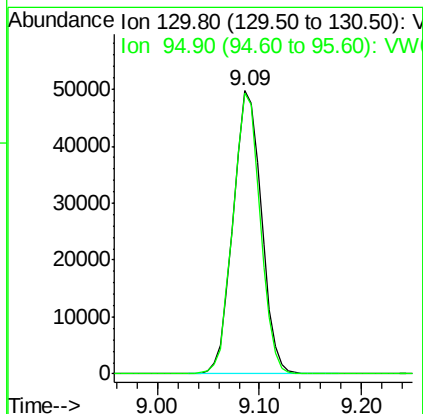
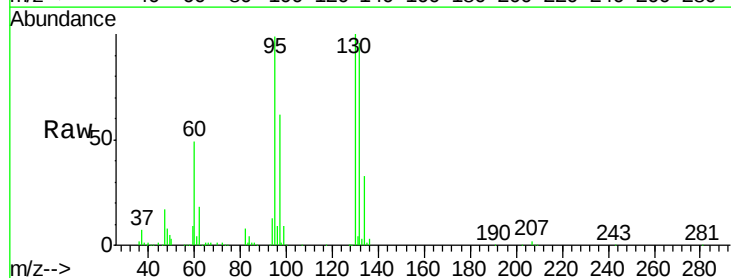
Tot Ion: 43 Resp: 124740
 Ion Ratio Lower Upper
 43 100
 61 27.4 21.4 32.2
 87 12.3 9.8 14.8

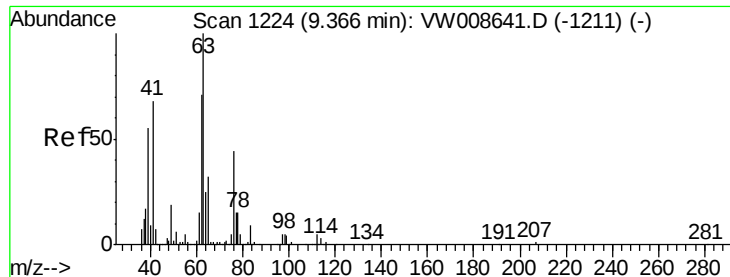


#44

Trichloroethene
 Concen: 20.178 ug/l
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW008649.D
 Acq: 13 Feb 2019 20:10

Tgt Ion: 130 Resp: 95659
 Ion Ratio Lower Upper
 130 100
 95 99.3 0.0 193.4





#45

1,2-Dichloropropane

Concen: 20.220 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

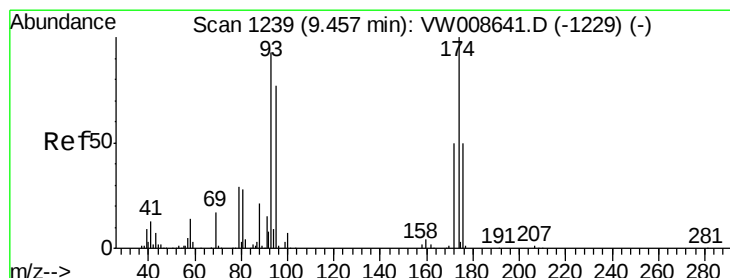
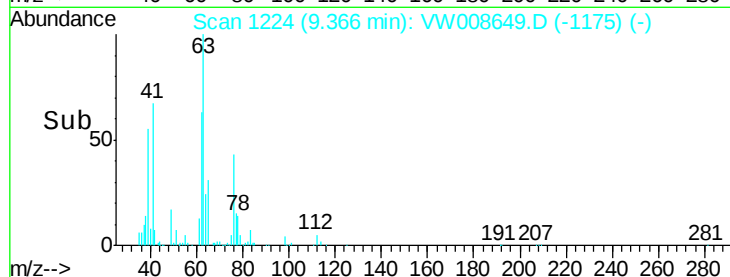
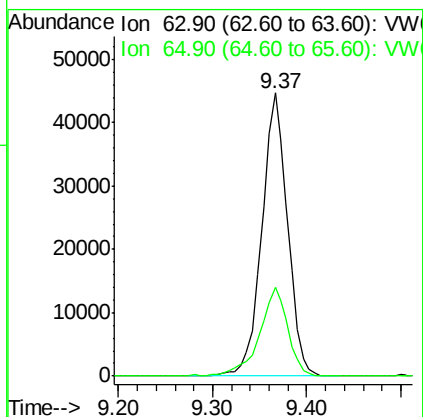
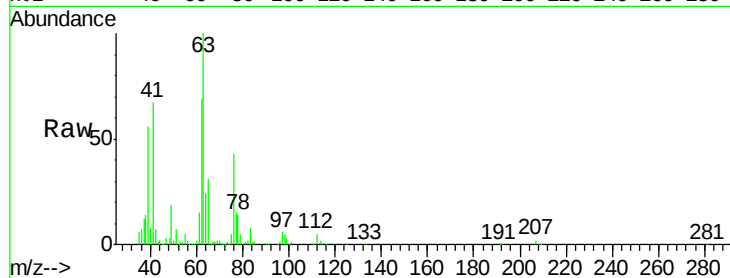
JC-02-021119-O

Tot Ion: 63 Resp: 85561

Ion Ratio Lower Upper

63 100

65 31.0 25.4 38.0



#46

Dibromomethane

Concen: 20.570 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

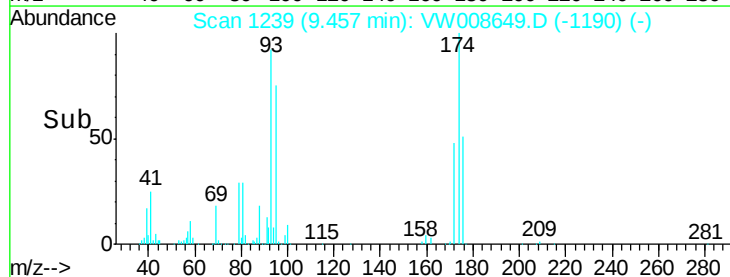
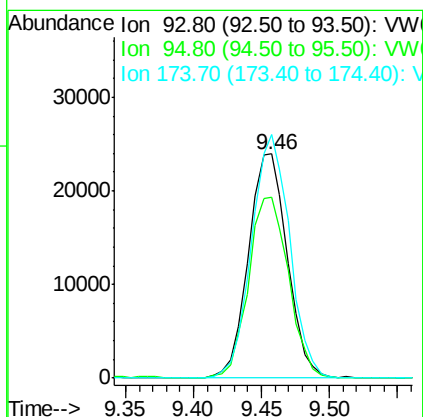
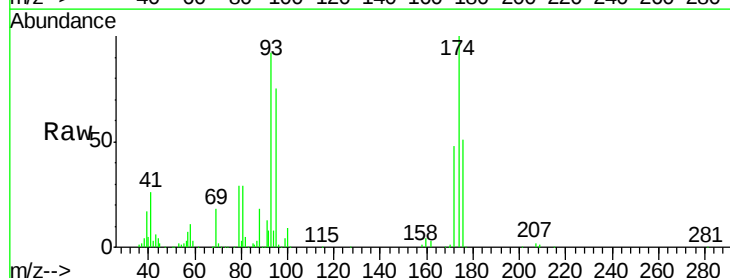
Tgt Ion: 93 Resp: 47948

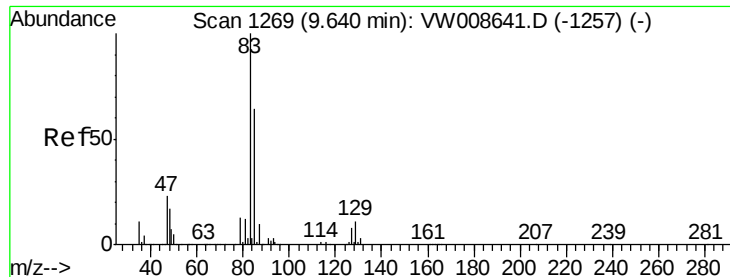
Ion Ratio Lower Upper

93 100

95 83.0 65.8 98.8

174 106.5 82.5 123.7





#47

Bromodichloromethane

Concen: 20.549 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

JC-02-021119-O

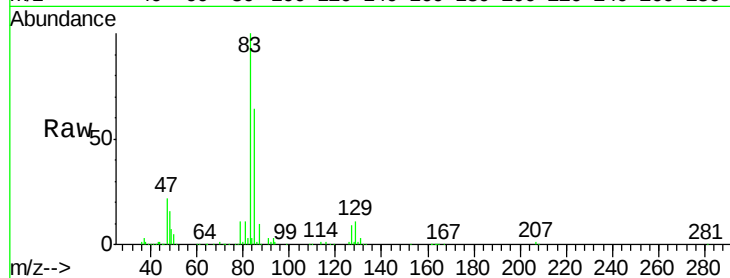
Tot Ion: 83 Resp: 115119

Ion Ratio Lower Upper

83 100

85 63.6 51.2 76.8

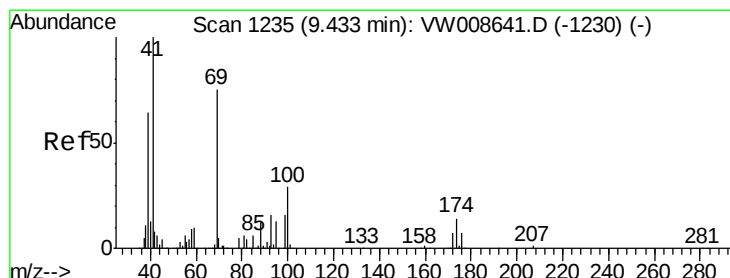
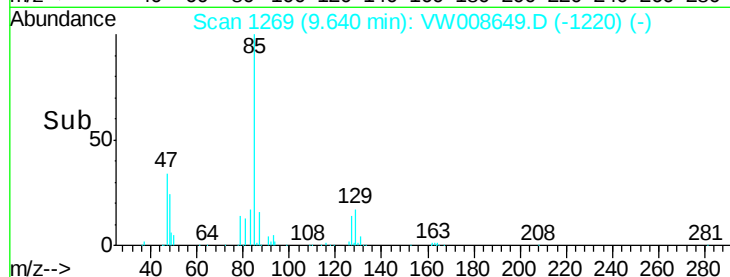
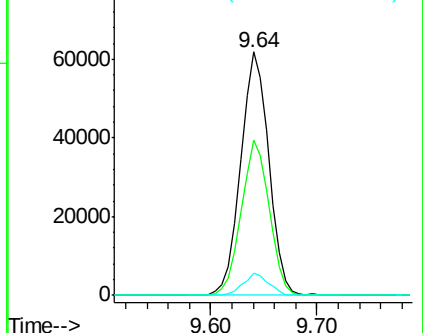
127 9.0 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.773 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

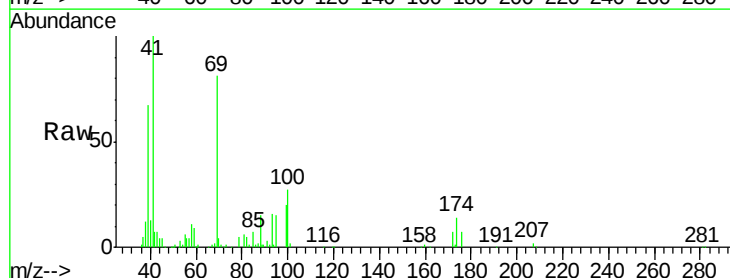
Tgt Ion: 41 Resp: 57973

Ion Ratio Lower Upper

41 100

69 79.8 64.1 96.1

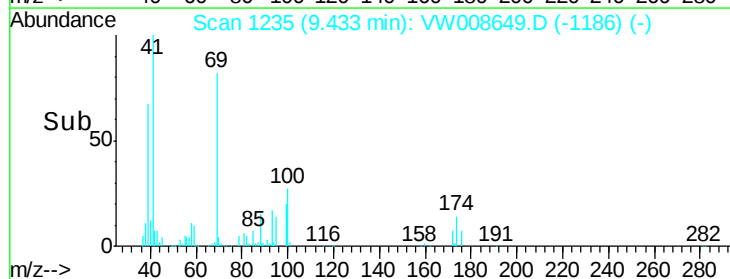
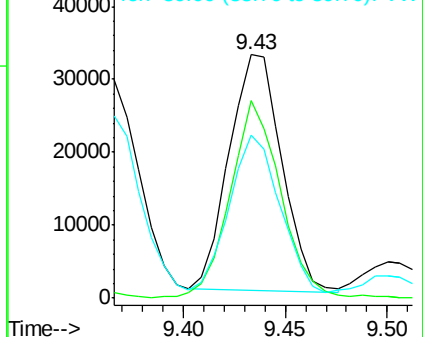
39 68.3 52.3 78.5

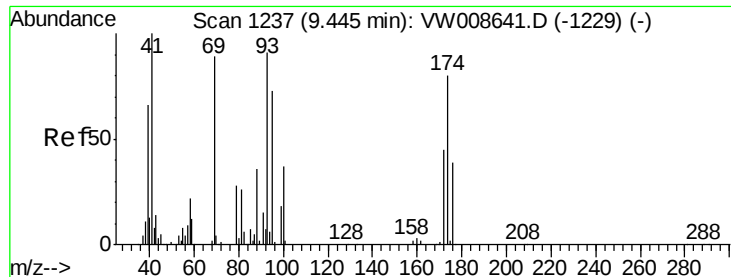


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

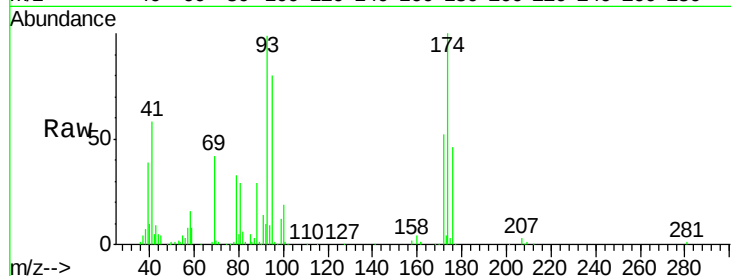




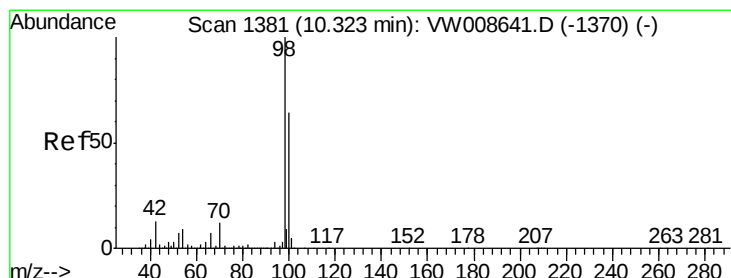
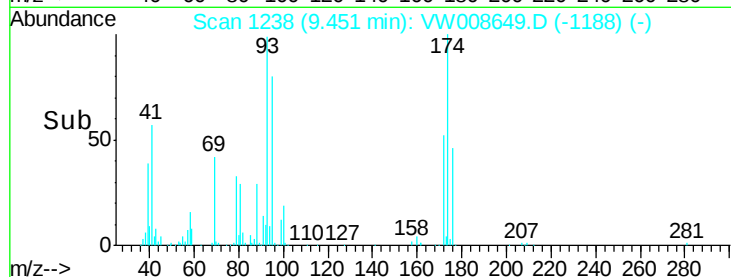
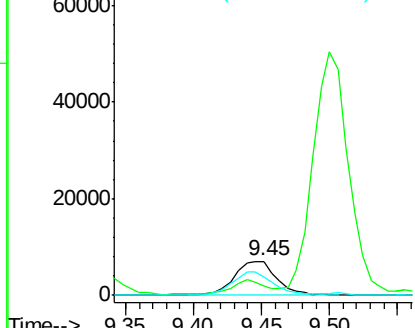
#49
1,4-Dioxane
Concen: 410.980 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008649.D
Acq: 13 Feb 2019 20:10

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

Tot Ion: 88 Resp: 15292
Ion Ratio Lower Upper
88 100
43 32.7 31.0 46.6
58 69.4 57.0 85.6

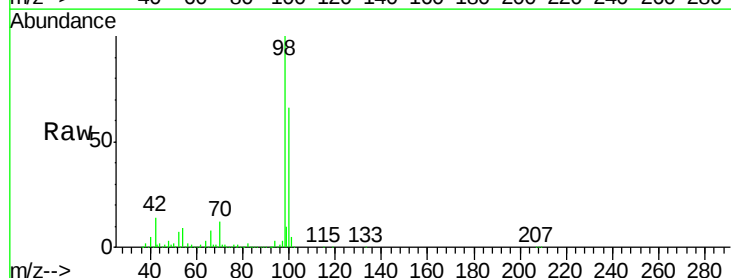


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

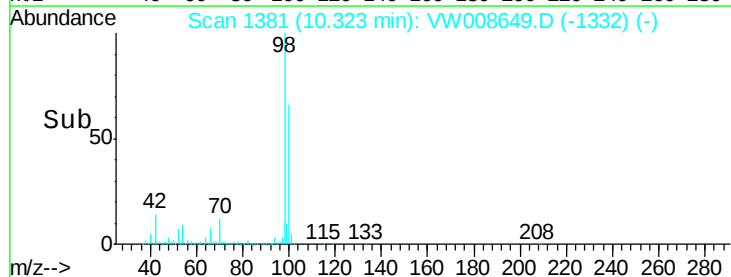
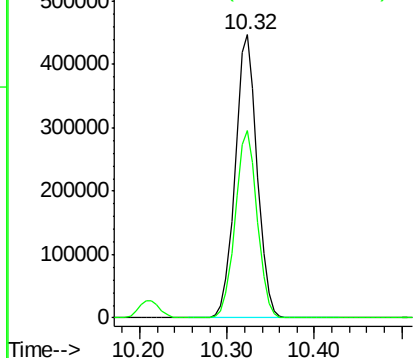


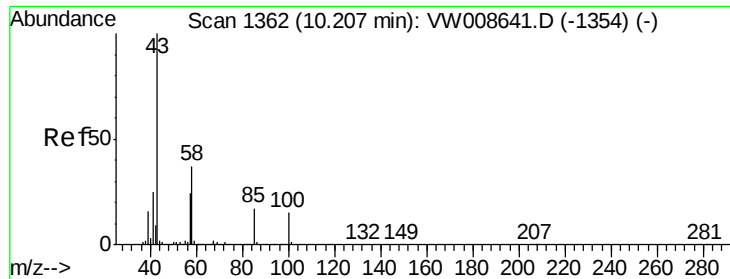
#50
Toluene-d8
Concen: 52.152 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008649.D
Acq: 13 Feb 2019 20:10

Tgt Ion: 98 Resp: 777905
Ion Ratio Lower Upper
98 100
100 66.3 52.2 78.4



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

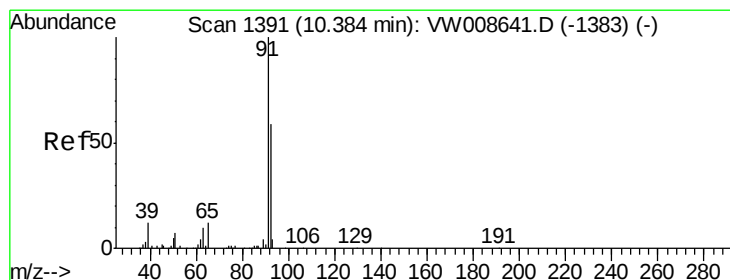
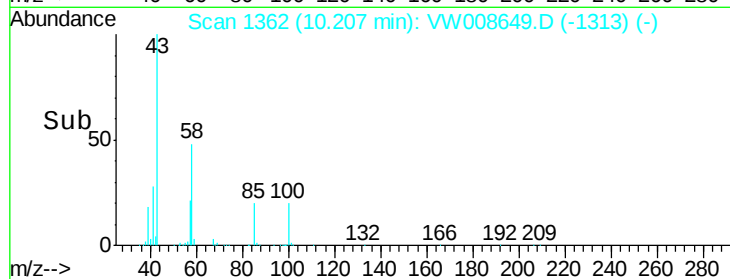
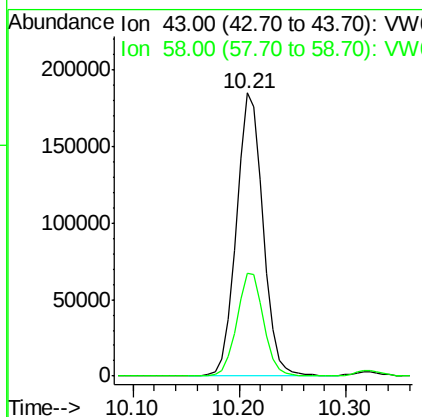
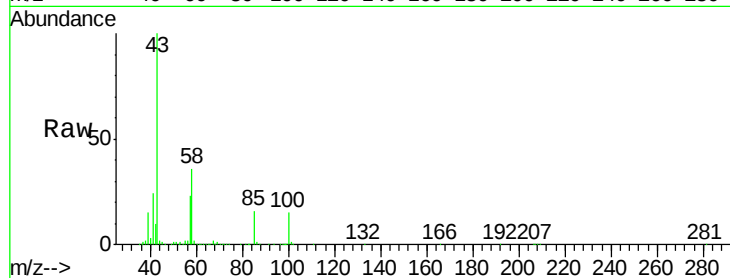




#51
4-Methyl-2-Pentanone
Concen: 104.871 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW008649.D
Acq: 13 Feb 2019 20:10

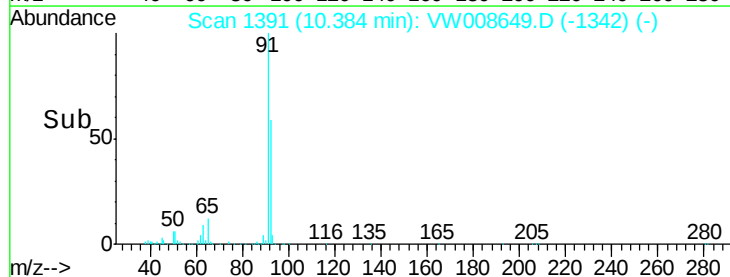
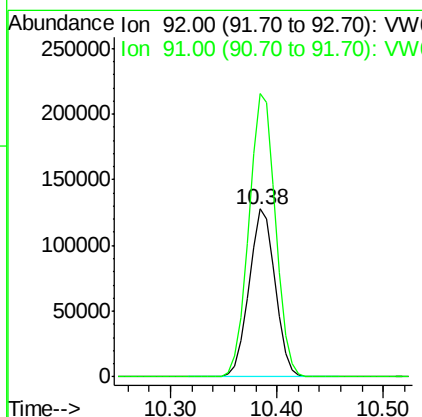
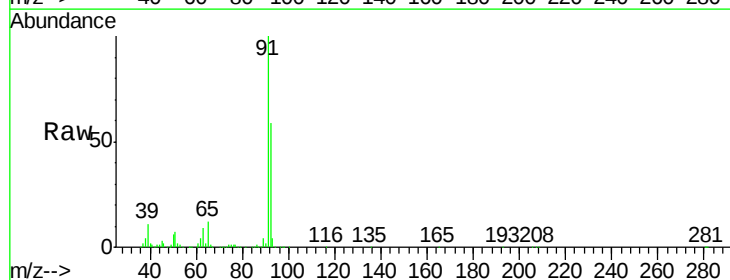
Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-O

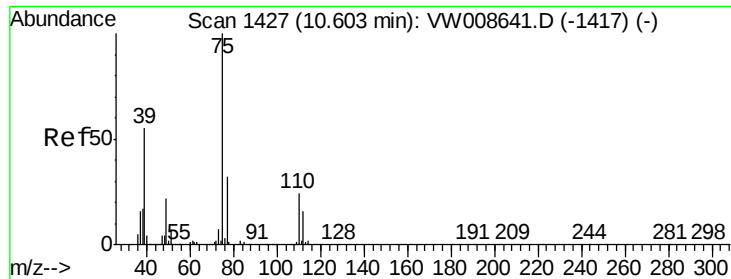
Tot Ion: 43 Resp: 324412
Ion Ratio Lower Upper
43 100
58 36.7 29.0 43.6



#52
Toluene
Concen: 19.968 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW008649.D
Acq: 13 Feb 2019 20:10

Tgt Ion: 92 Resp: 220263
Ion Ratio Lower Upper
92 100
91 171.6 135.8 203.6





#53

t-1,3-Dichloropropene

Concen: 19.782 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

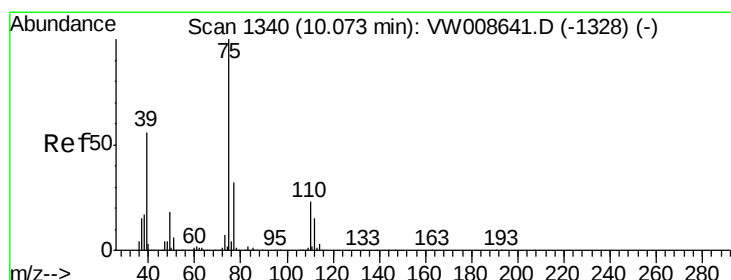
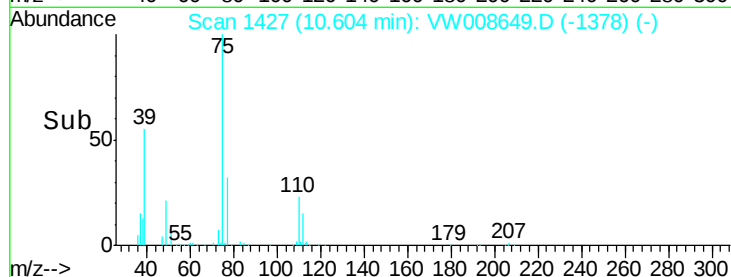
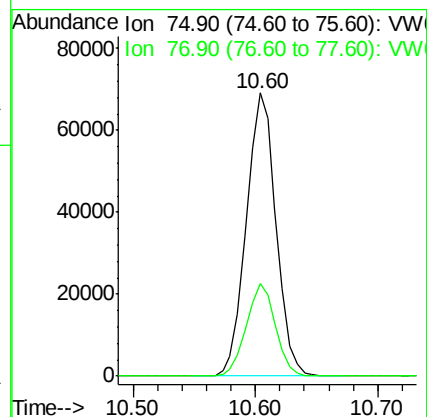
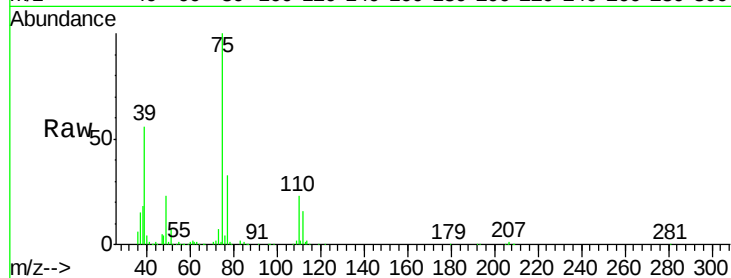
JC-02-021119-O

Tot Ion: 75 Resp: 116421

Ion Ratio Lower Upper

75 100

77 32.6 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 20.296 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

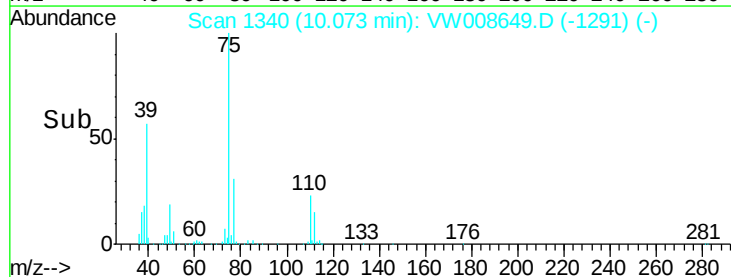
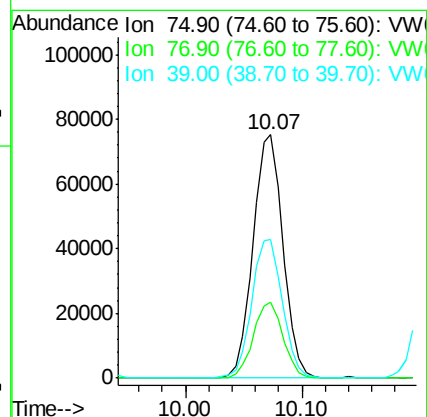
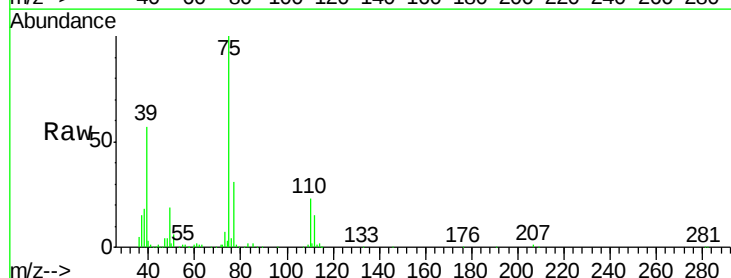
Tgt Ion: 75 Resp: 135407

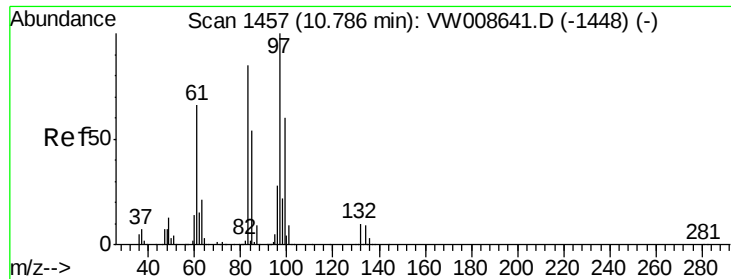
Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.0

39 56.9 44.5 66.7

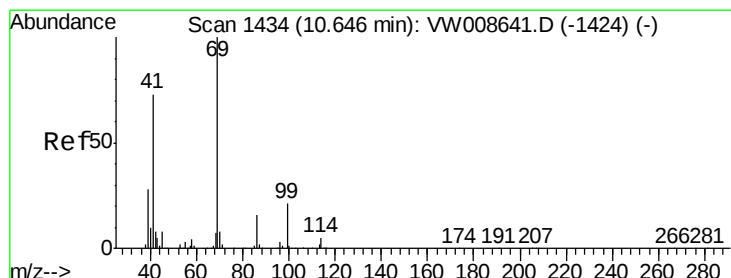
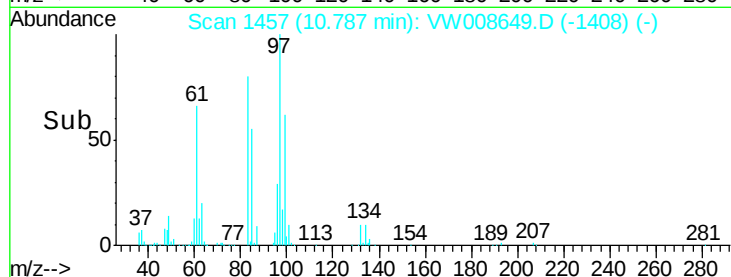
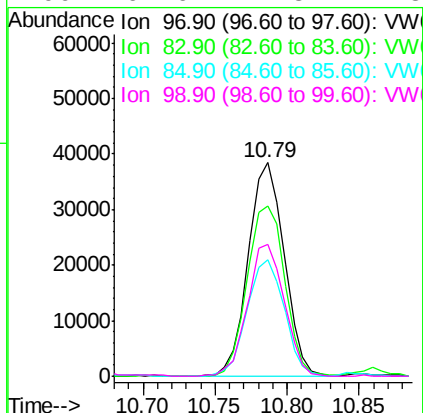
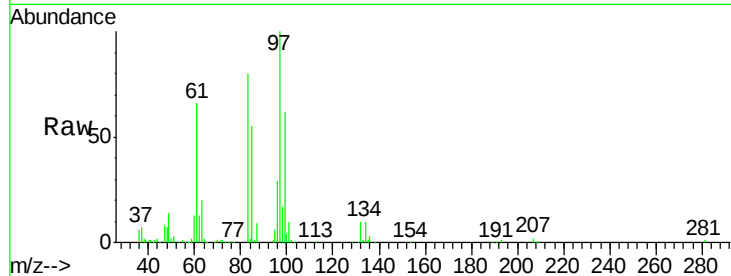




#55
 1,1,2-Trichloroethane
 Concen: 20.796 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008649.D
 Acq: 13 Feb 2019 20:10

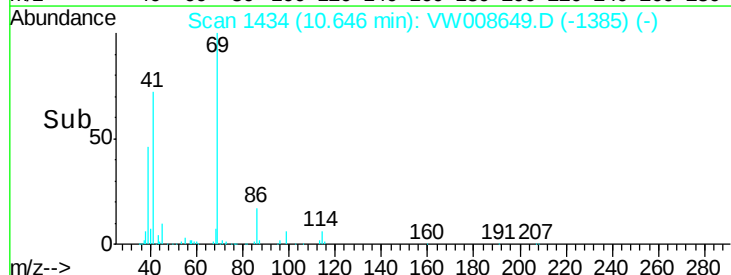
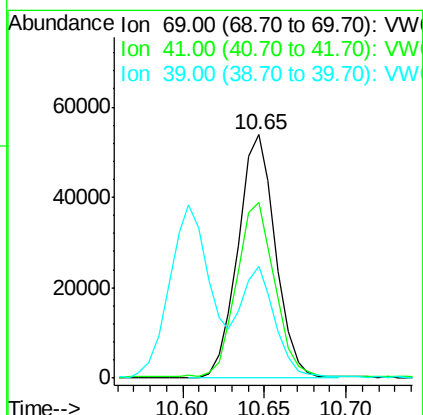
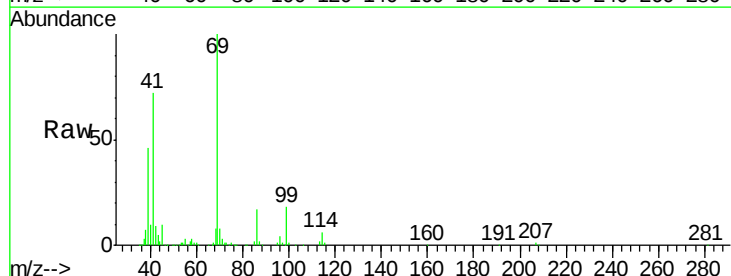
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-021119-O

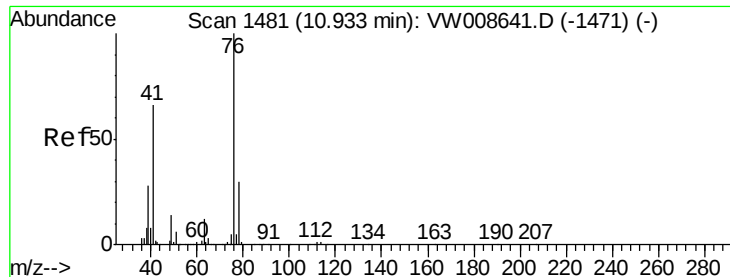
Tot Ion: 97 Resp: 66514
 Ion Ratio Lower Upper
 97 100
 83 79.7 68.4 102.6
 85 54.8 43.1 64.7
 99 61.6 47.8 71.8



#56
 Ethyl methacrylate
 Concen: 20.346 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008649.D
 Acq: 13 Feb 2019 20:10

Tgt Ion: 69 Resp: 86413
 Ion Ratio Lower Upper
 69 100
 41 72.9 59.0 88.4
 39 42.0 34.4 51.6





#57

1,3-Dichloropropane

Concen: 20.464 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

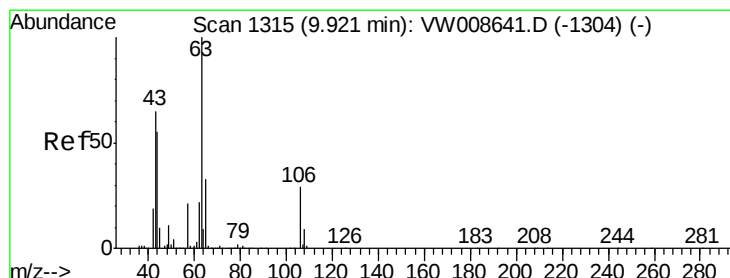
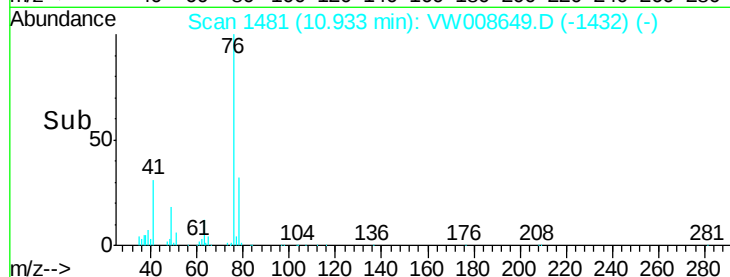
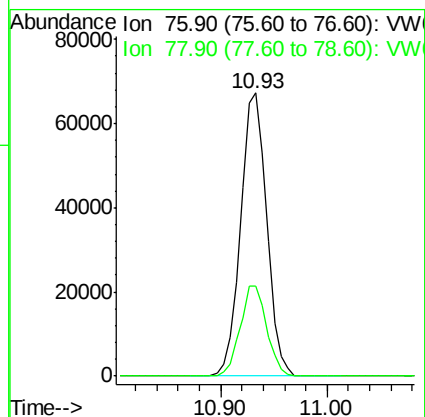
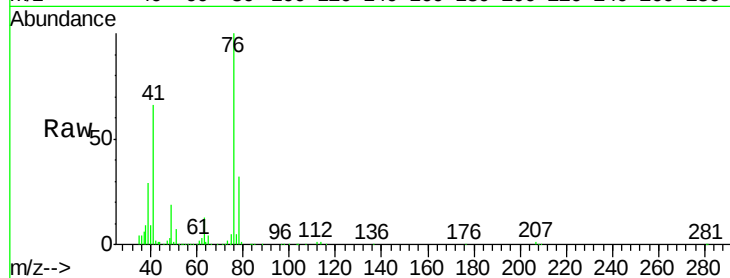
JC-02-021119-O

Tot Ion: 76 Resp: 116132

Ion Ratio Lower Upper

76 100

78 32.4 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 113.201 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW008649.D

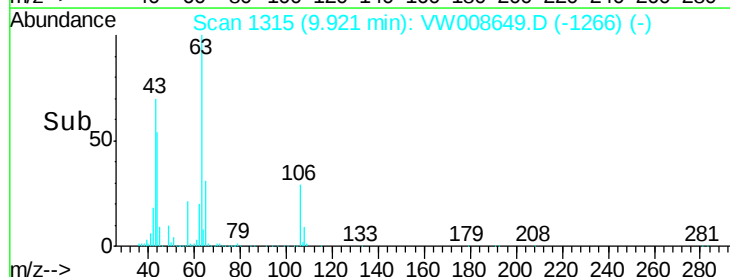
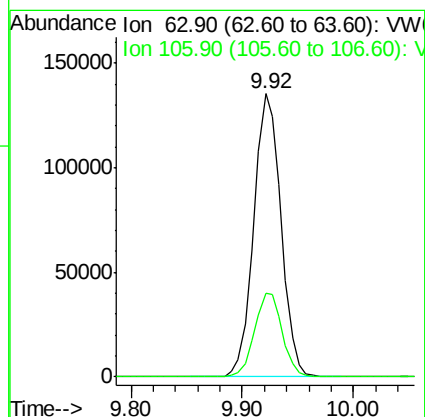
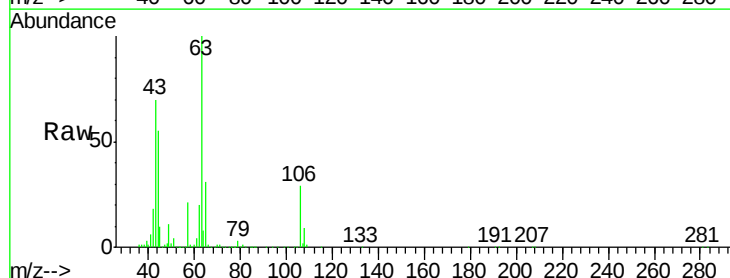
Acq: 13 Feb 2019 20:10

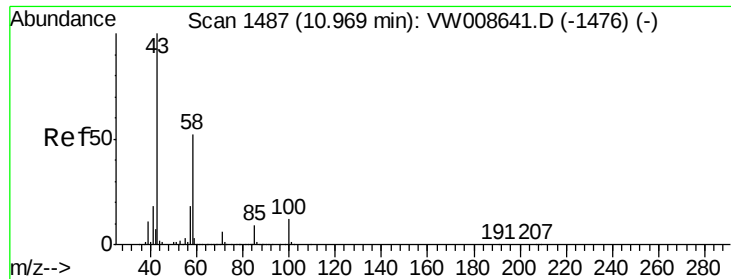
Tgt Ion: 63 Resp: 230630

Ion Ratio Lower Upper

63 100

106 29.9 23.4 35.2





#59

2-Hexanone

Concen: 101.311 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

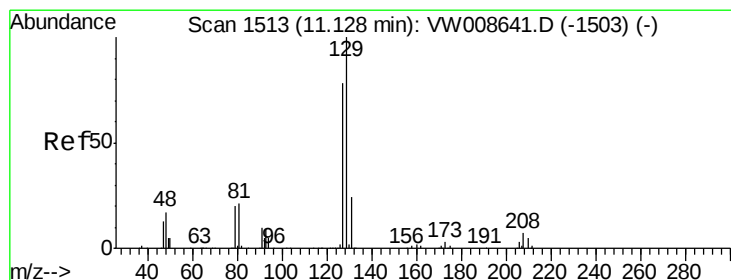
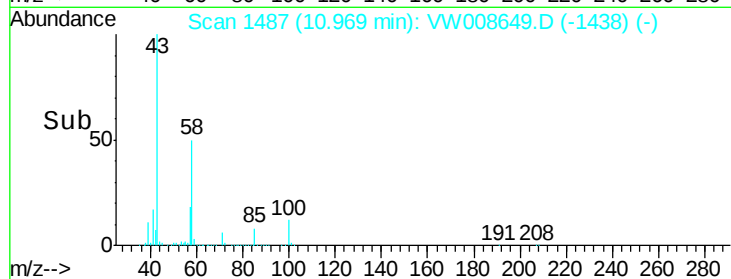
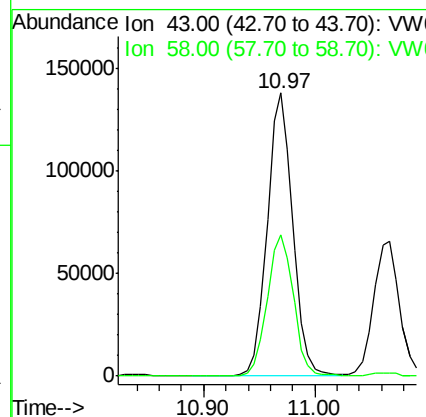
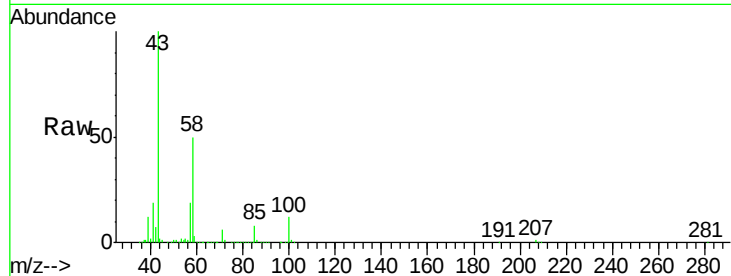
JC-02-021119-O

Tot Ion: 43 Resp: 220164

Ion Ratio Lower Upper

43 100

58 51.5 25.6 76.6



#60

Dibromochloromethane

Concen: 20.273 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW008649.D

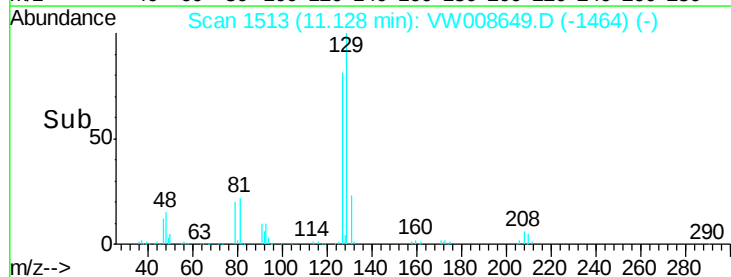
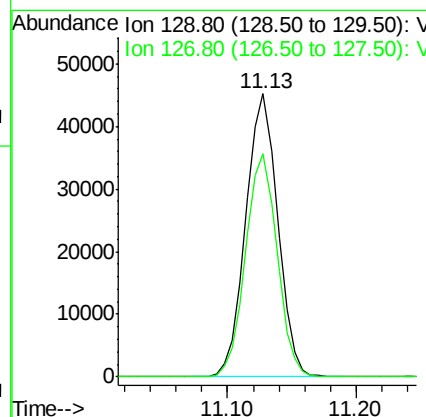
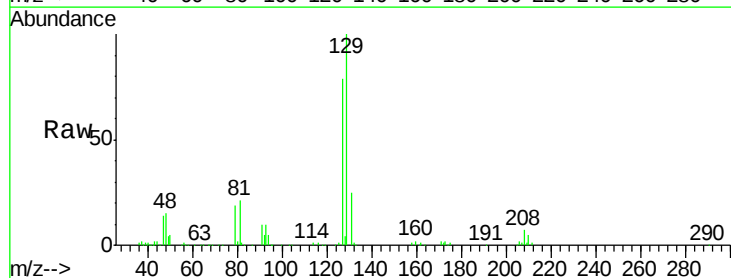
Acq: 13 Feb 2019 20:10

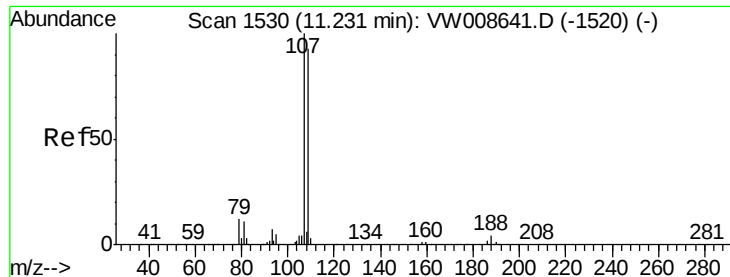
Tgt Ion: 129 Resp: 77584

Ion Ratio Lower Upper

129 100

127 77.7 38.5 115.3





#61

1,2-Dibromoethane

Concen: 20.699 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

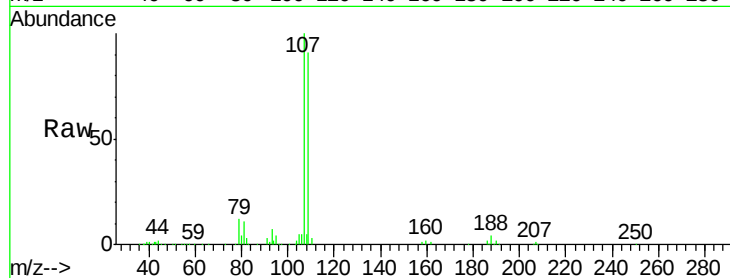
JC-02-021119-O

Tot Ion: 107 Resp: 65184

Ion Ratio Lower Upper

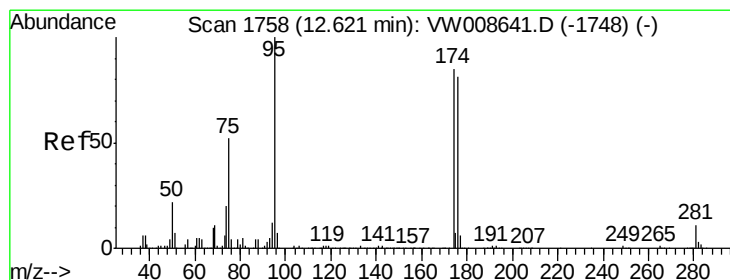
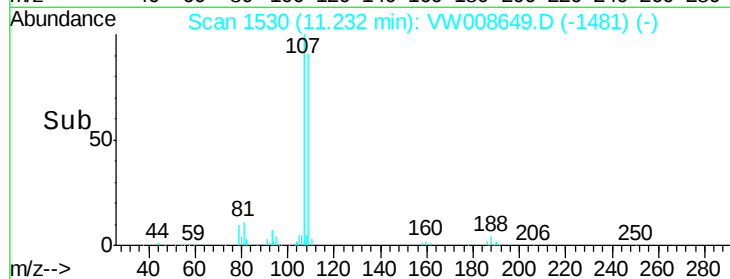
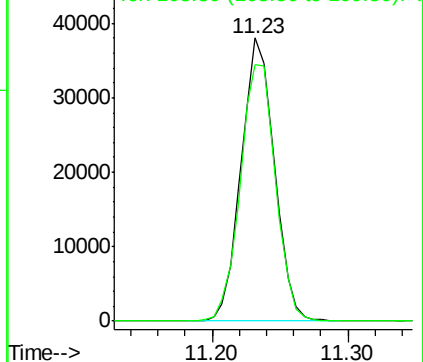
107 100

109 96.0 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.327 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

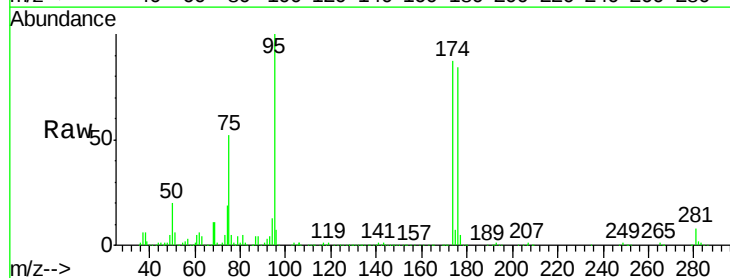
Tgt Ion: 95 Resp: 288373

Ion Ratio Lower Upper

95 100

174 83.5 0.0 163.2

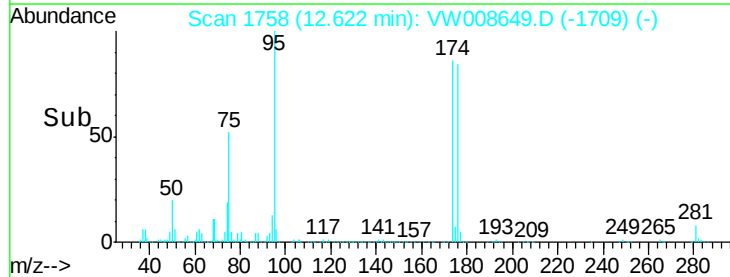
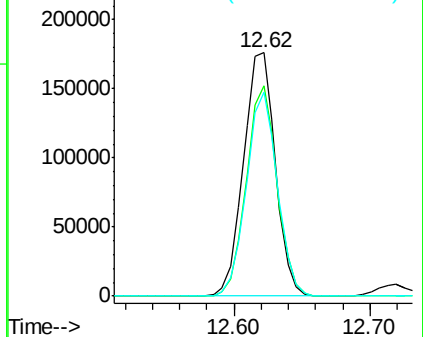
176 81.5 0.0 158.0

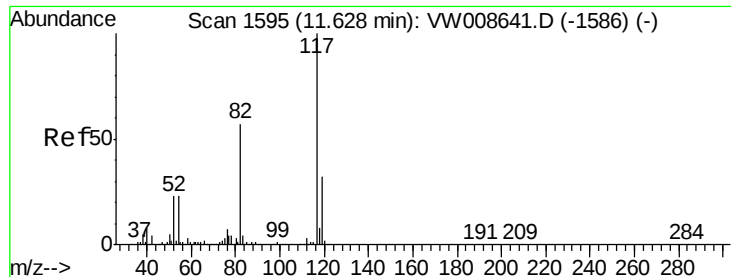


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

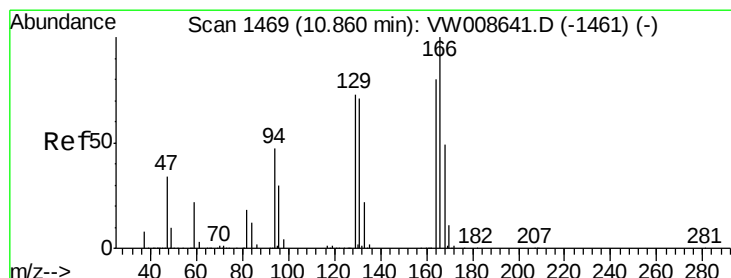
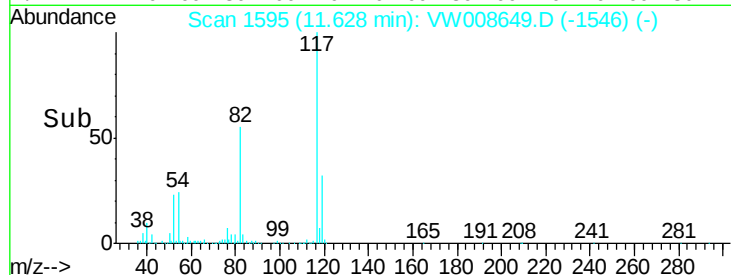
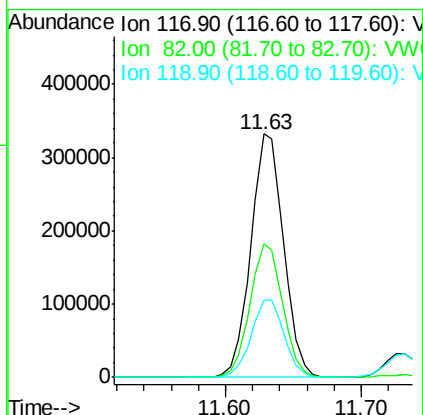
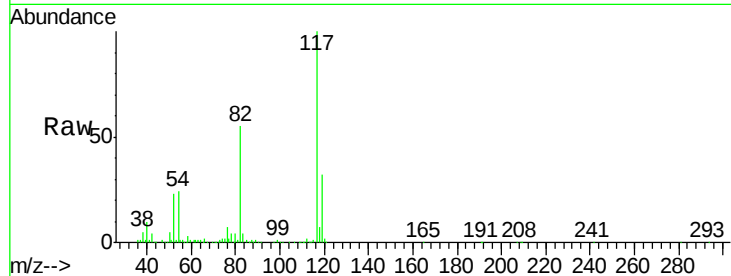




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW008649.D
Acq: 13 Feb 2019 20:10

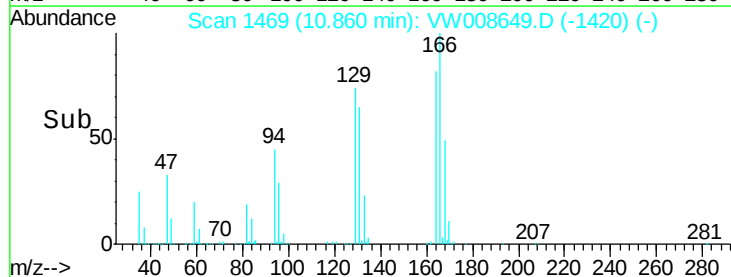
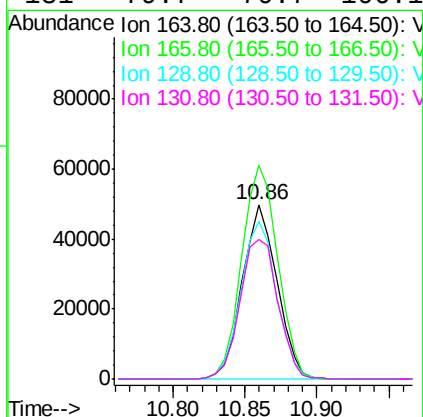
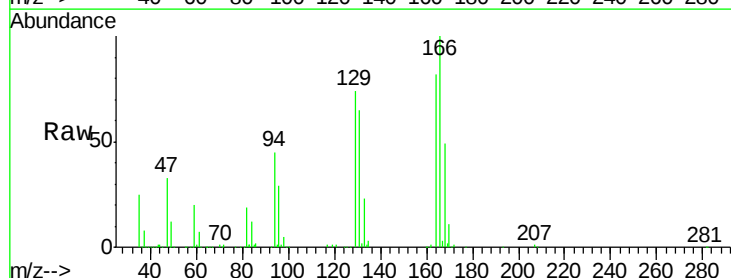
Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-O

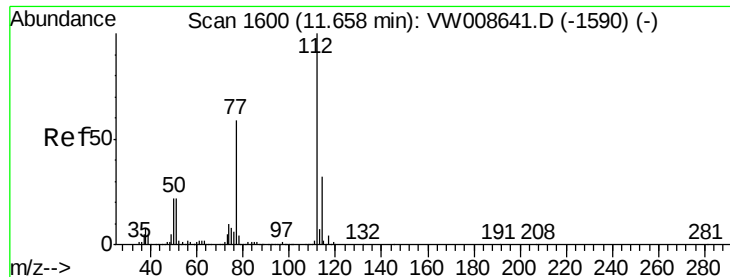
Tot Ion:117 Resp: 559642
Ion Ratio Lower Upper
117 100
82 54.6 45.6 68.4
119 31.7 25.7 38.5



#64
Tetrachloroethene
Concen: 20.001 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008649.D
Acq: 13 Feb 2019 20:10

Tgt Ion:164 Resp: 83237
Ion Ratio Lower Upper
164 100
166 122.4 100.2 150.2
129 90.1 73.6 110.4
131 79.7 70.7 106.1

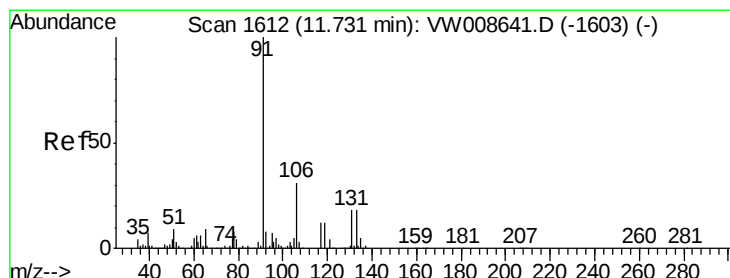
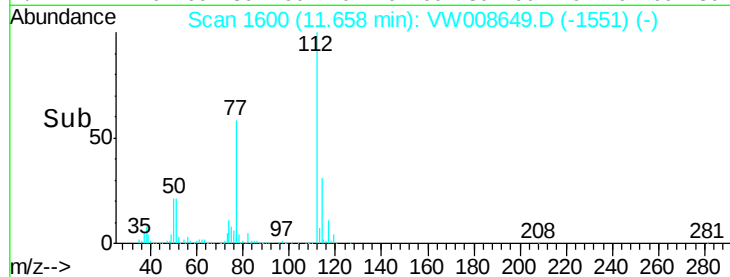
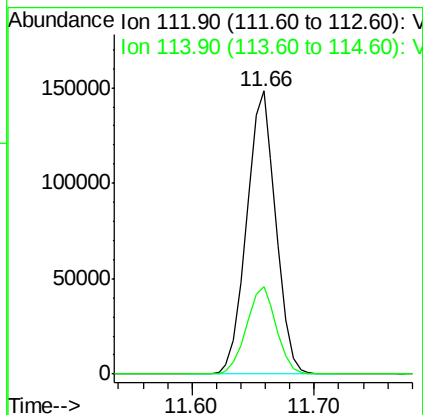
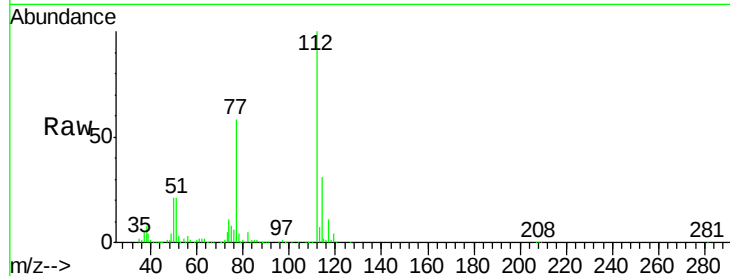




#65
Chlorobenzene
Concen: 20.306 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008649.D
Acq: 13 Feb 2019 20:10

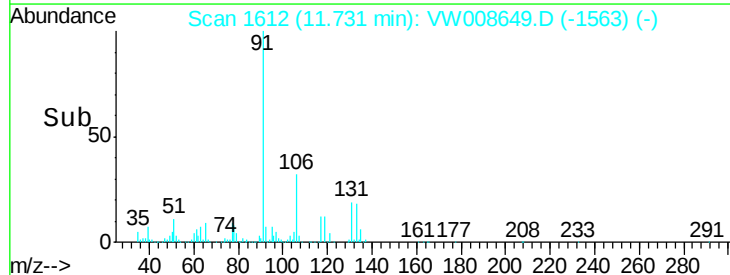
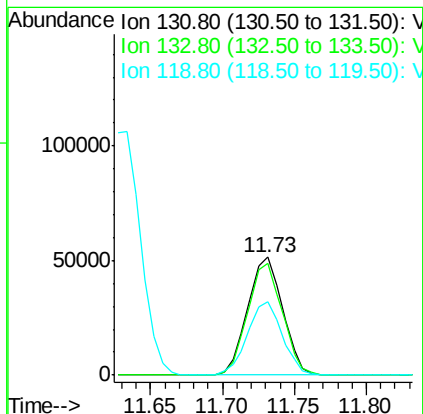
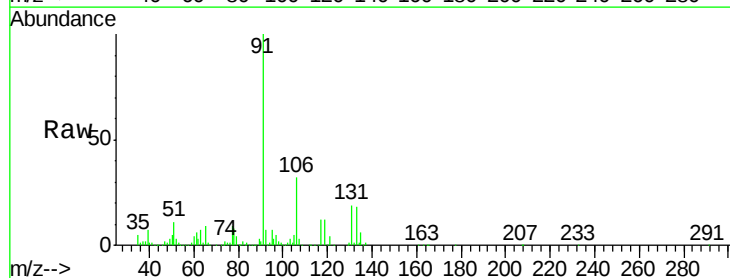
Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-O

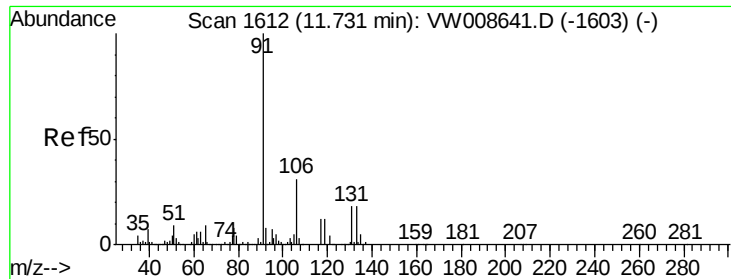
Tot Ion:112 Resp: 244939
Ion Ratio Lower Upper
112 100
114 30.8 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 20.287 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008649.D
Acq: 13 Feb 2019 20:10

Tgt Ion:131 Resp: 86690
Ion Ratio Lower Upper
131 100
133 93.9 47.8 143.4
119 61.7 31.6 94.8

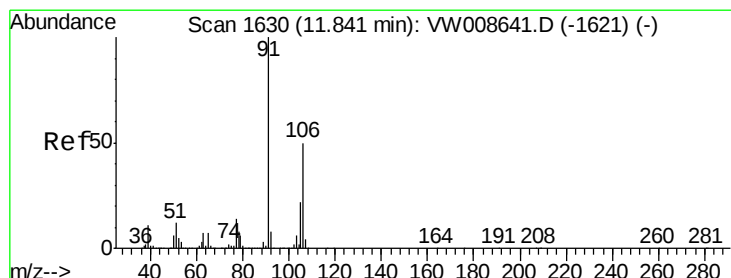
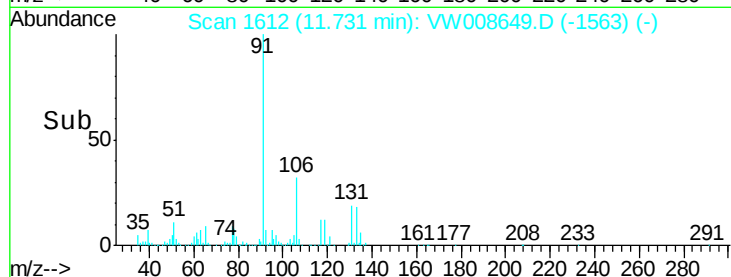
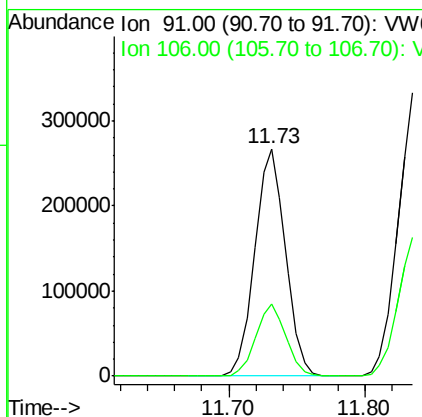
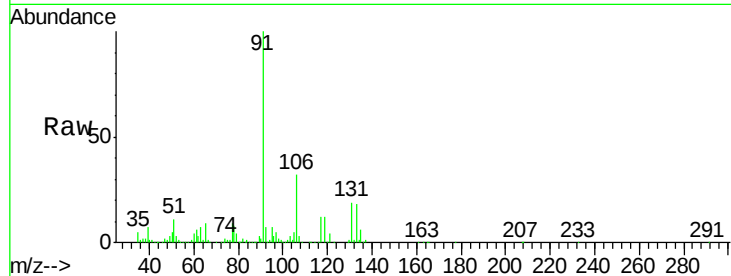




#67
Ethyl Benzene
Concen: 19.646 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008649.D
Acq: 13 Feb 2019 20:10

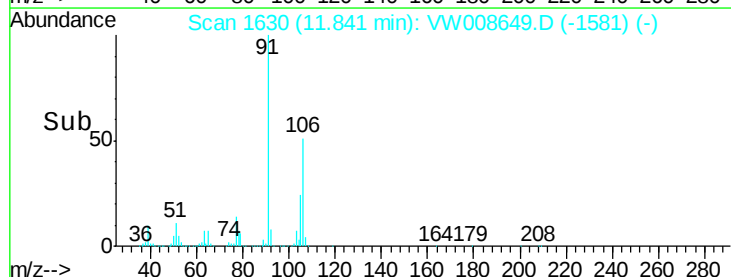
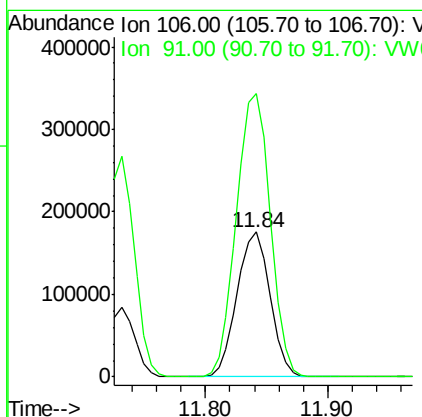
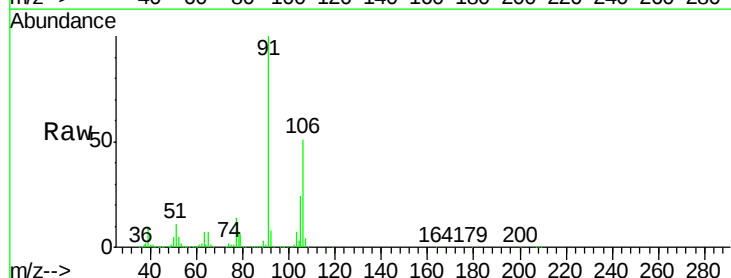
Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-O

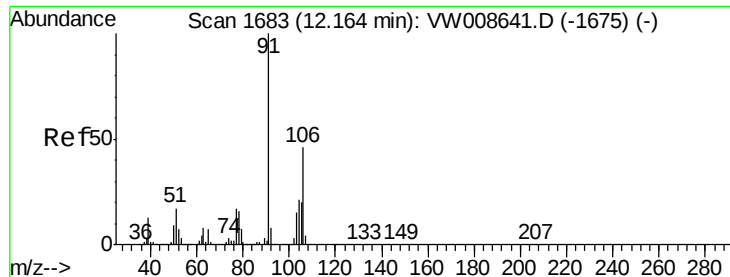
Tot Ion: 91 Resp: 422122
Ion Ratio Lower Upper
91 100
106 31.8 24.5 36.7



#68
m/p-Xylenes
Concen: 39.432 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008649.D
Acq: 13 Feb 2019 20:10

Tgt Ion: 106 Resp: 329662
Ion Ratio Lower Upper
106 100
91 200.9 161.0 241.4

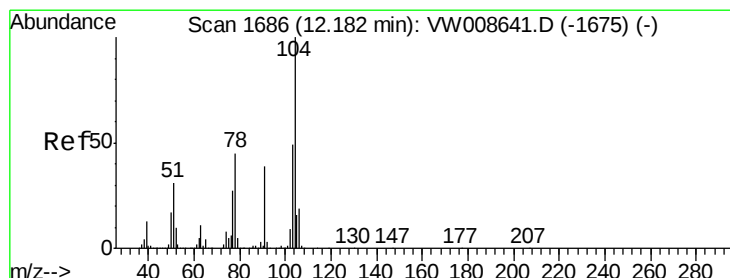
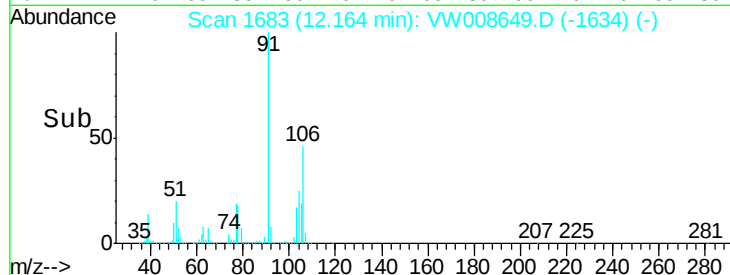
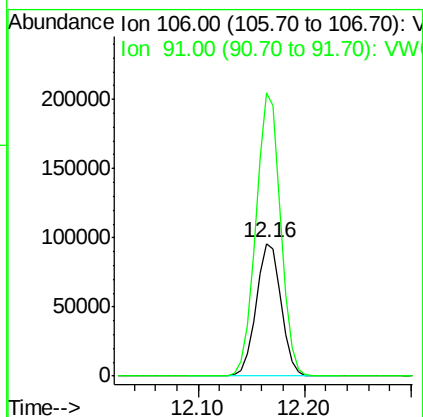
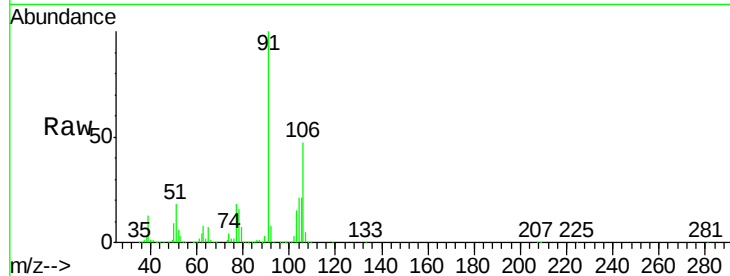




#69
o-Xylene
Concen: 19.945 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008649.D
Acq: 13 Feb 2019 20:10

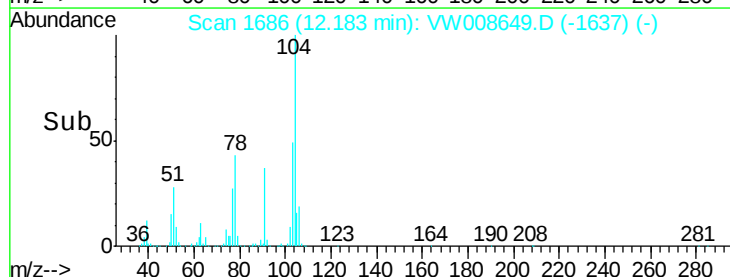
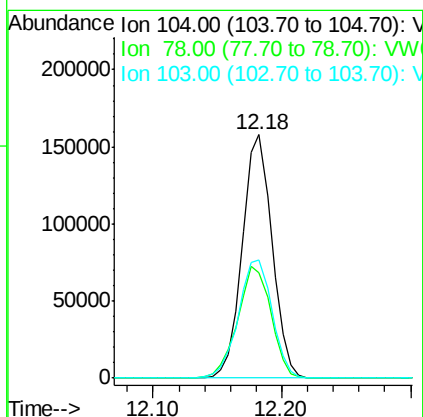
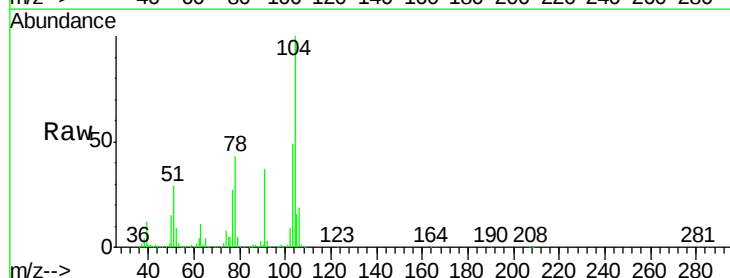
Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-O

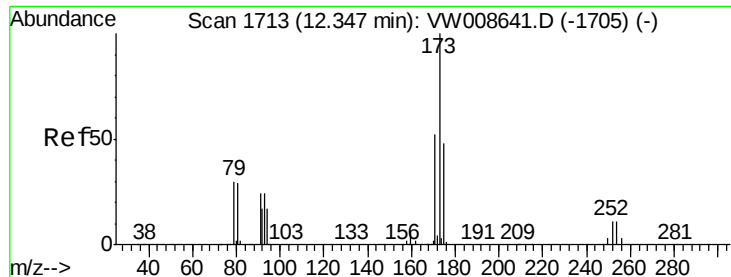
Tot Ion:106 Resp: 157616
Ion Ratio Lower Upper
106 100
91 211.2 106.7 320.1



#70
Styrene
Concen: 19.544 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008649.D
Acq: 13 Feb 2019 20:10

Tgt Ion:104 Resp: 252262
Ion Ratio Lower Upper
104 100
78 51.5 41.5 62.3
103 55.2 43.5 65.3





#71

Bromoform

Concen: 19.746 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

JC-02-021119-O

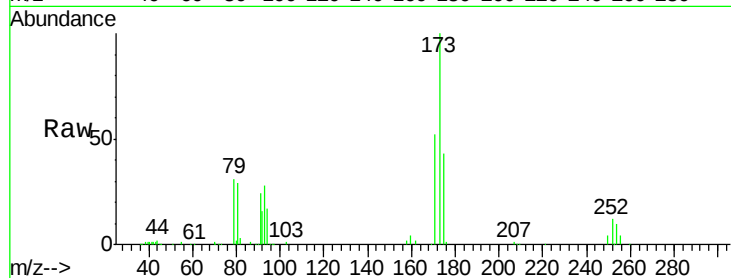
Tot Ion:173 Resp: 45464

Ion Ratio Lower Upper

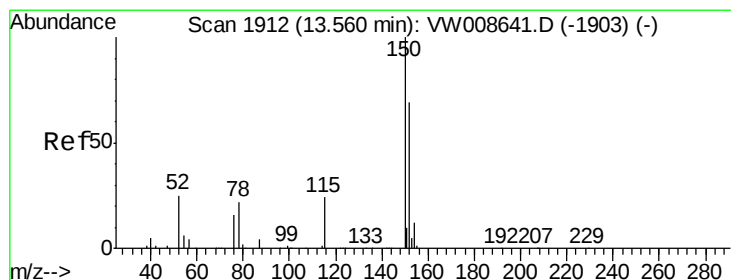
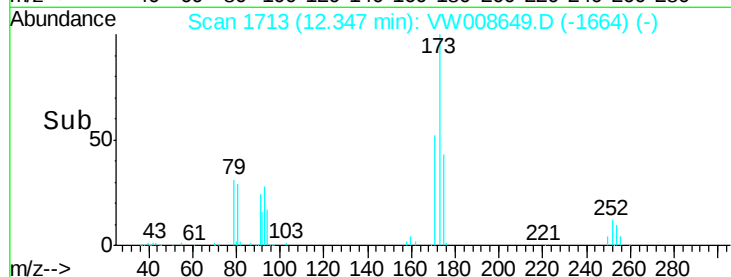
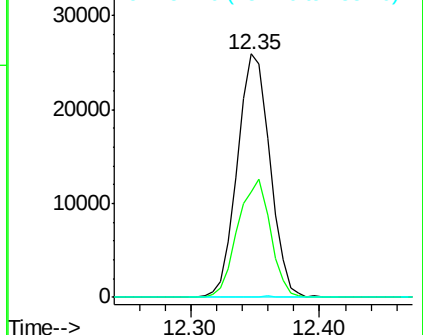
173 100

175 48.7 24.9 74.7

254 0.2 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: VW008649.D

Acq: 13 Feb 2019 20:10

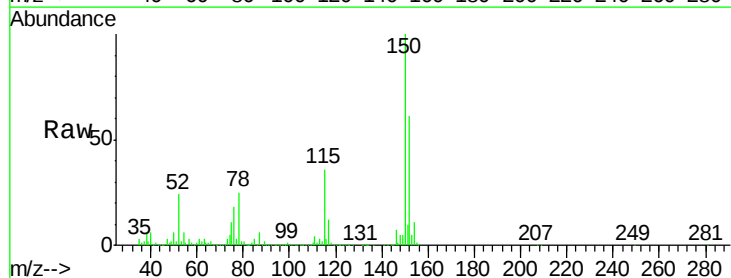
Tgt Ion:152 Resp: 286210

Ion Ratio Lower Upper

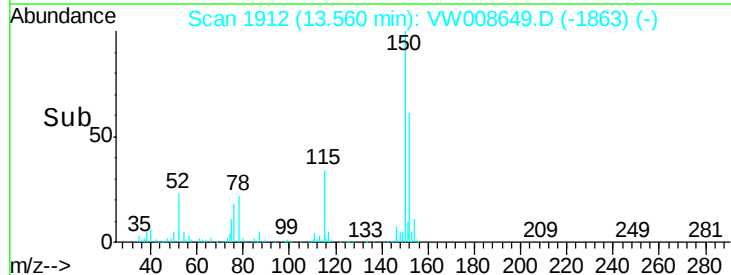
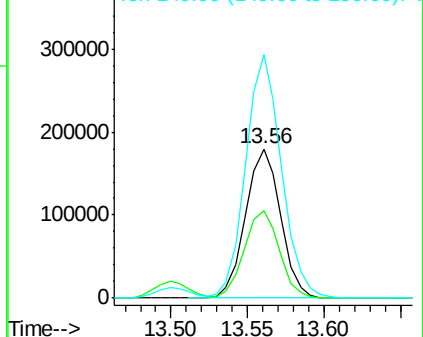
152 100

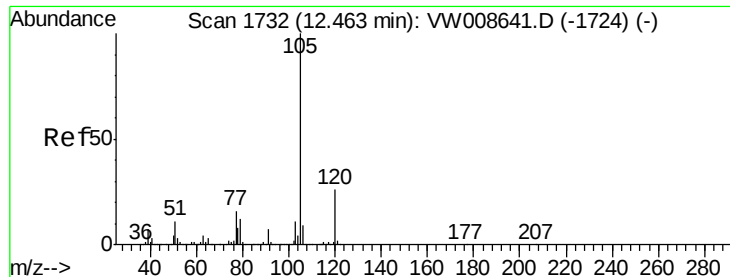
115 58.3 29.3 87.8

150 166.4 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: 20.145 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

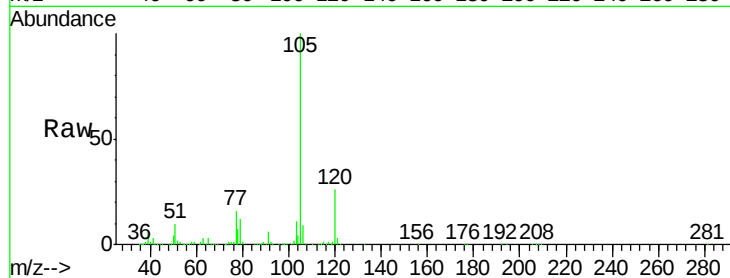
JC-02-021119-O

Tot Ion:105 Resp: 429474

Ion Ratio Lower Upper

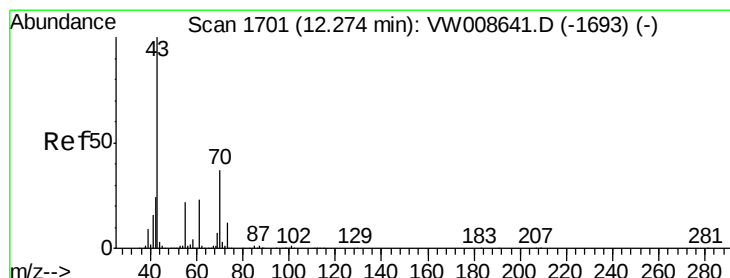
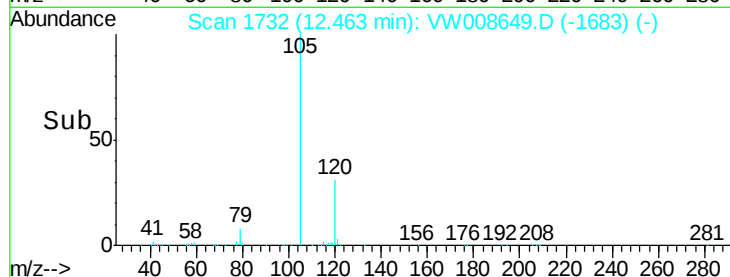
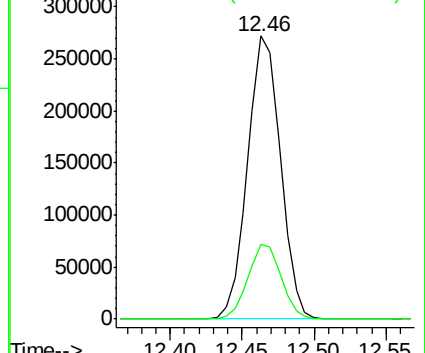
105 100

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: 21.182 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

Tgt Ion: 43 Resp: 122118

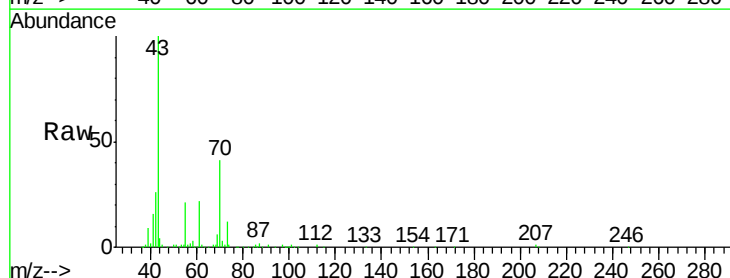
Ion Ratio Lower Upper

43 100

70 38.5 30.5 45.7

55 21.4 17.6 26.4

61 21.4 17.9 26.9

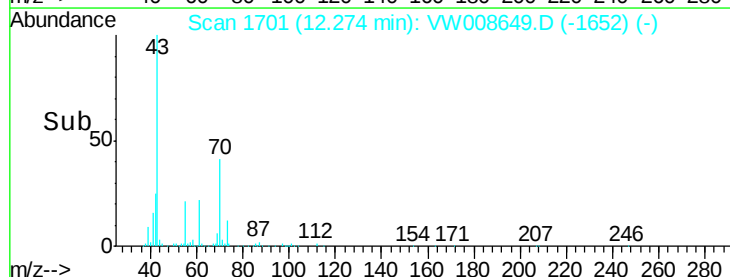
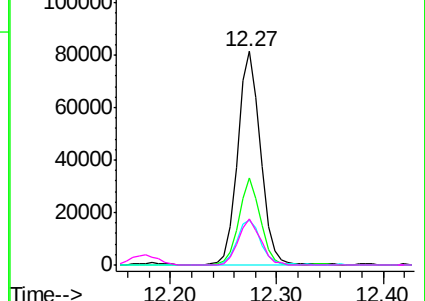


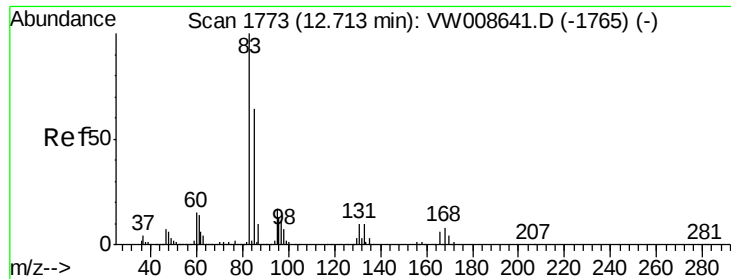
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 21.515 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

JC-02-021119-O

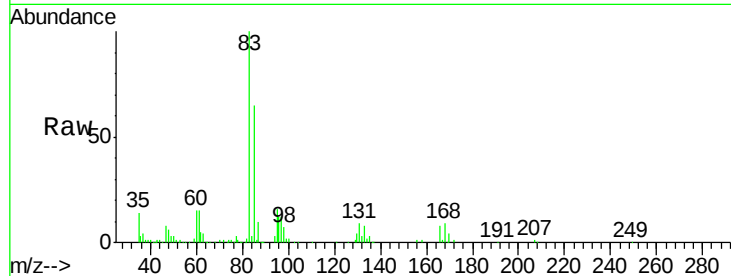
Tot Ion: 83 Resp: 79805

Ion Ratio Lower Upper

83 100

131 10.6 5.5 16.7

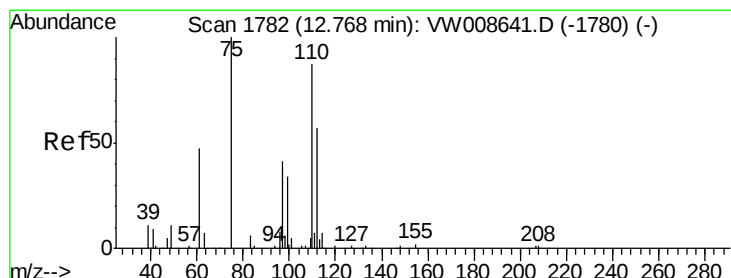
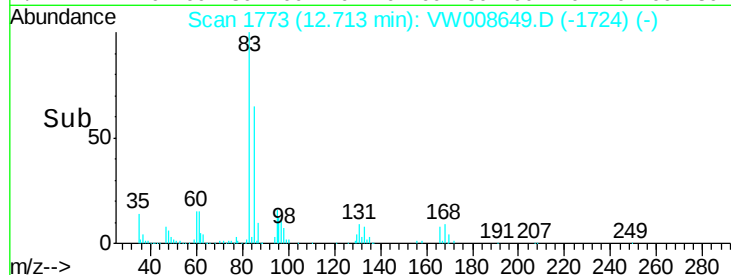
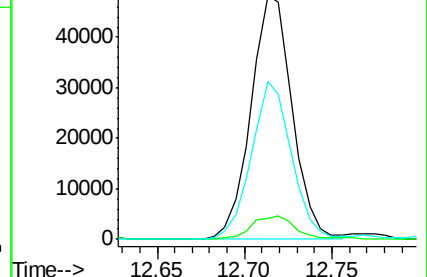
85 63.1 31.8 95.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 36.934 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008649.D

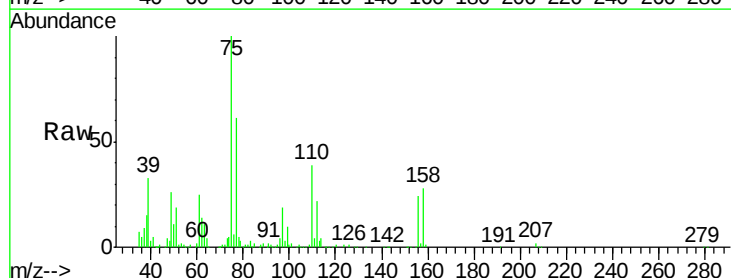
Acq: 13 Feb 2019 20:10

Tgt Ion: 75 Resp: 104381

Ion Ratio Lower Upper

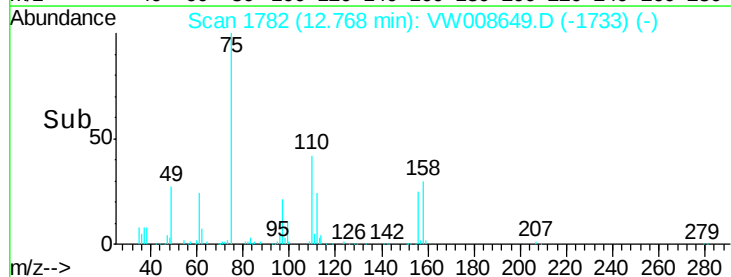
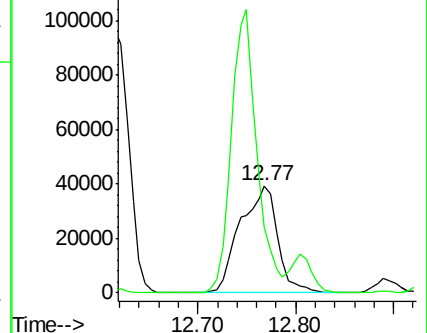
75 100

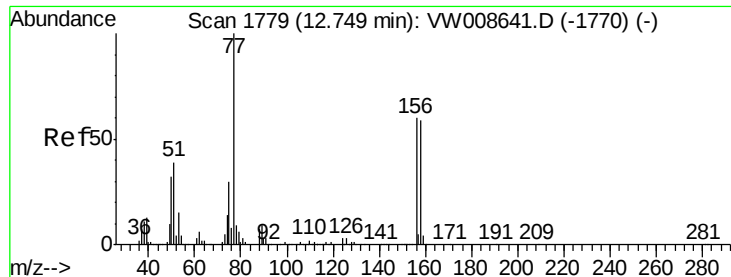
77 180.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.969 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

JC-02-021119-O

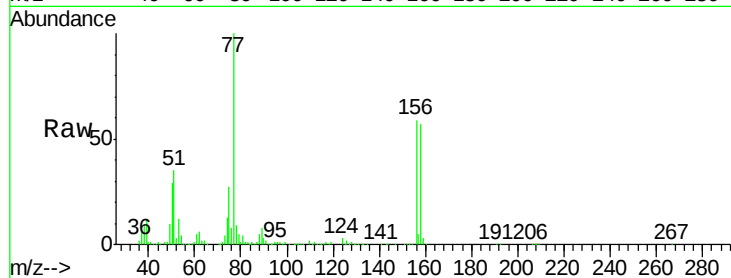
Tot Ion:156 Resp: 102761

Ion Ratio Lower Upper

156 100

77 183.6 93.2 279.5

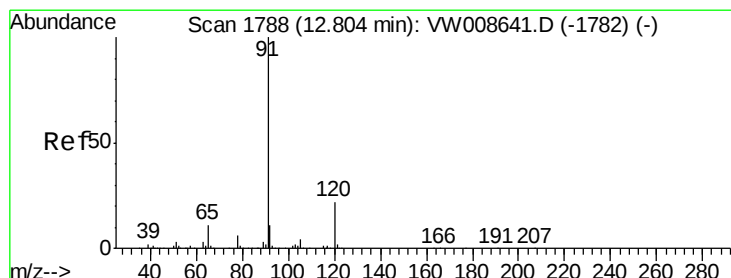
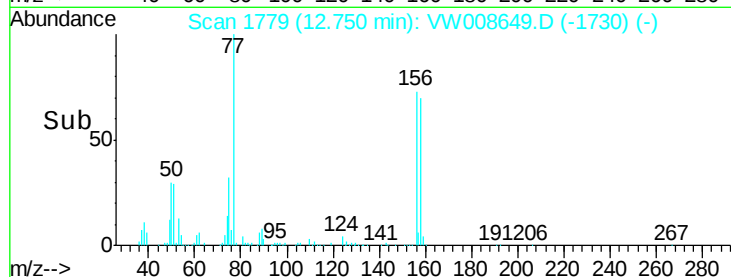
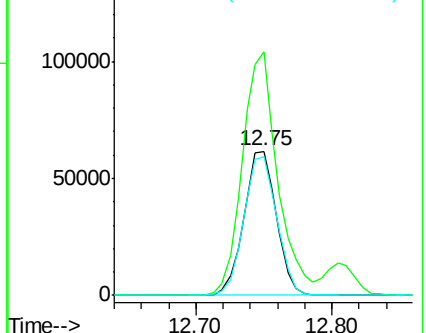
158 97.7 48.5 145.5



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: 20.091 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW008649.D

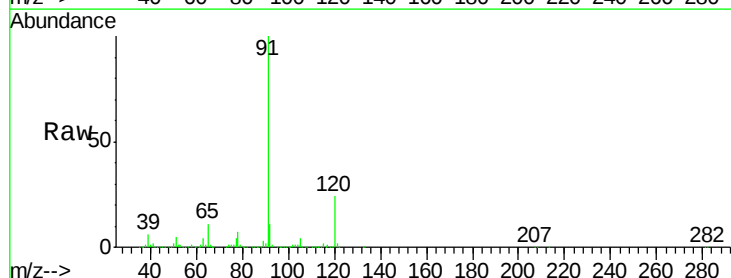
Acq: 13 Feb 2019 20:10

Tgt Ion: 91 Resp: 508919

Ion Ratio Lower Upper

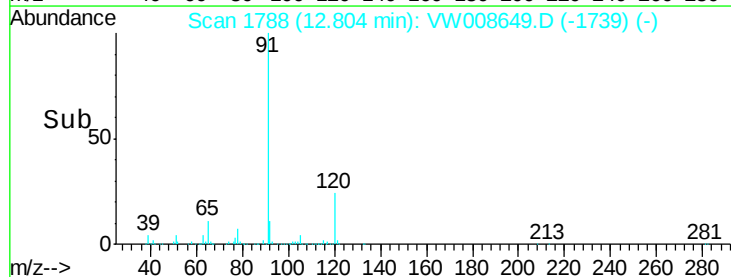
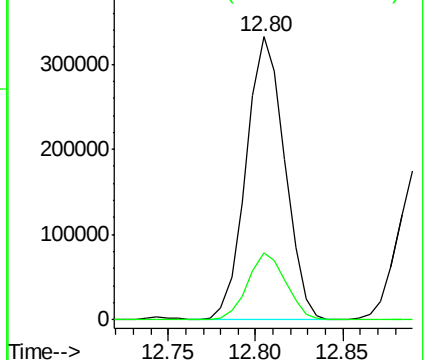
91 100

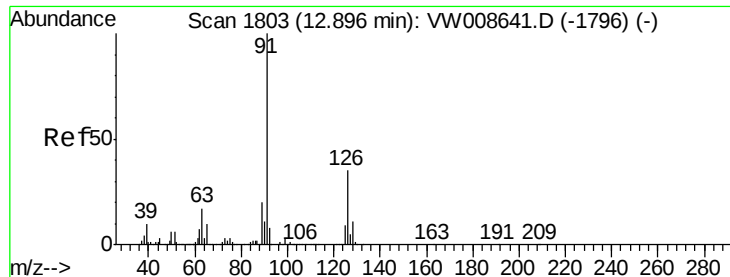
120 23.6 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.269 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

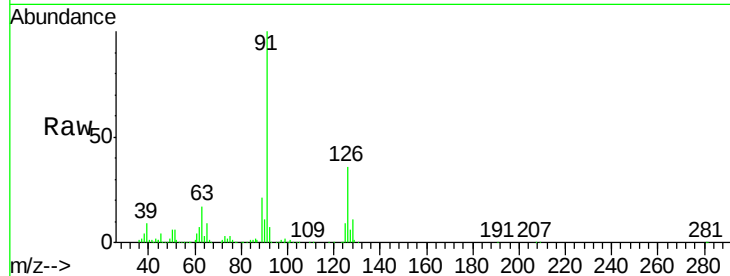
JC-02-021119-O

Tot Ion: 91 Resp: 290177

Ion Ratio Lower Upper

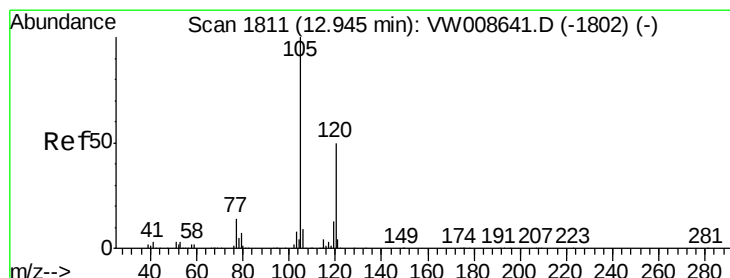
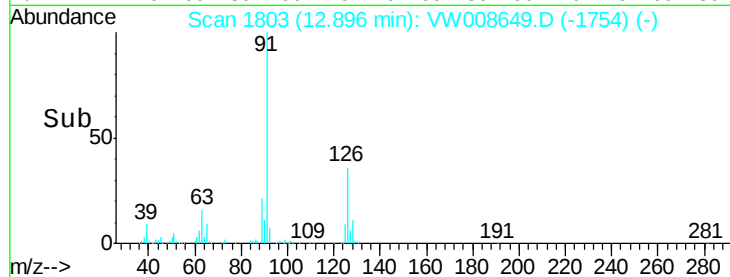
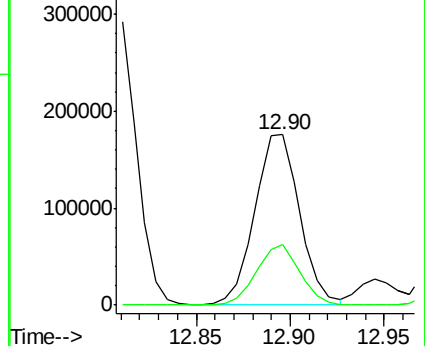
91 100

126 34.2 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: 20.156 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008649.D

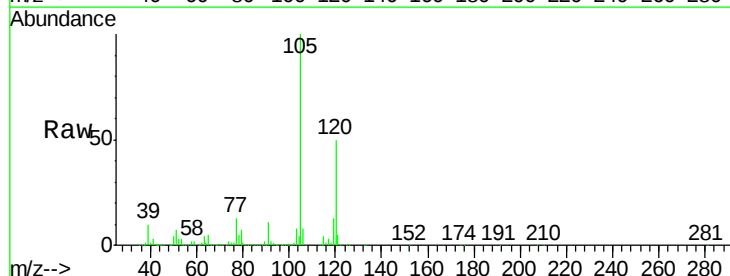
Acq: 13 Feb 2019 20:10

Tgt Ion: 105 Resp: 356926

Ion Ratio Lower Upper

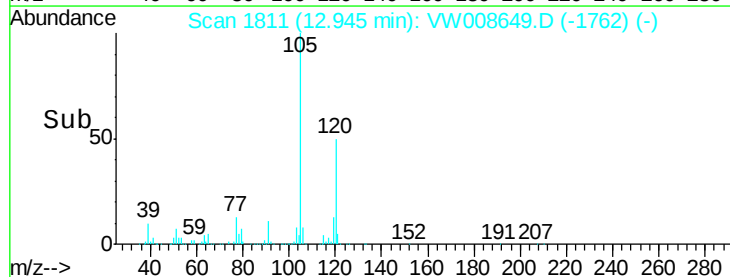
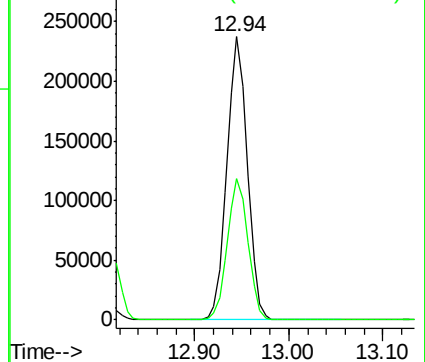
105 100

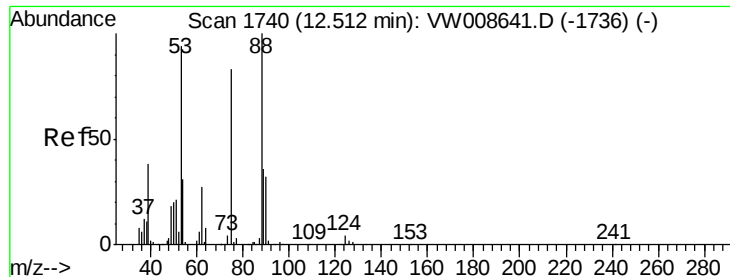
120 50.4 24.6 73.8



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: 19.150 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

JC-02-021119-O

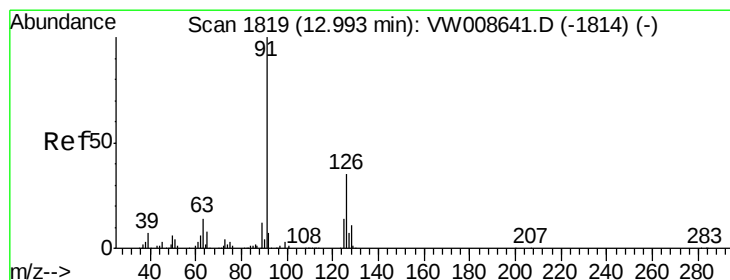
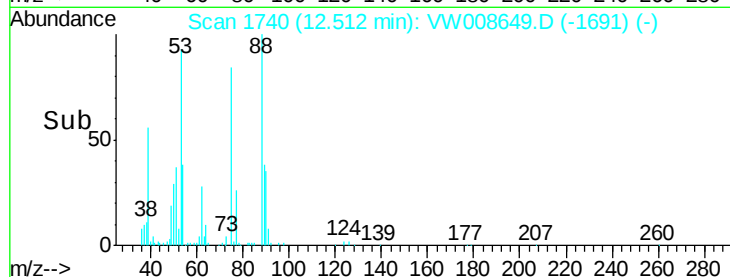
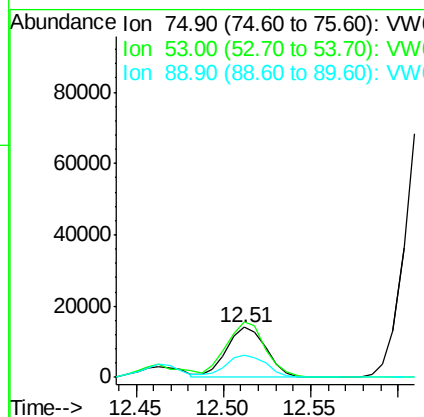
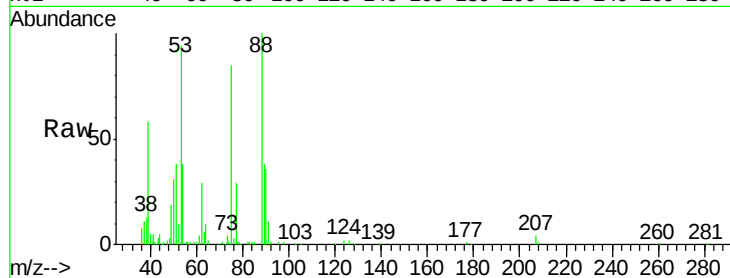
Tot Ion: 75 Resp: 22449

Ion Ratio Lower Upper

75 100

53 107.2 87.4 131.0

89 45.7 37.0 55.4



#82

4-Chlorotoluene

Concen: 20.181 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VW008649.D

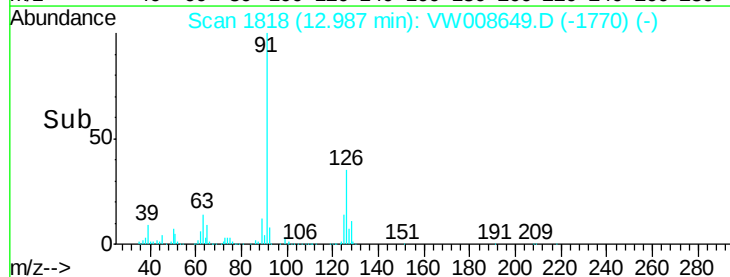
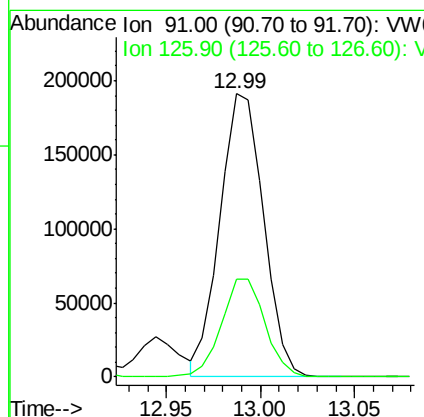
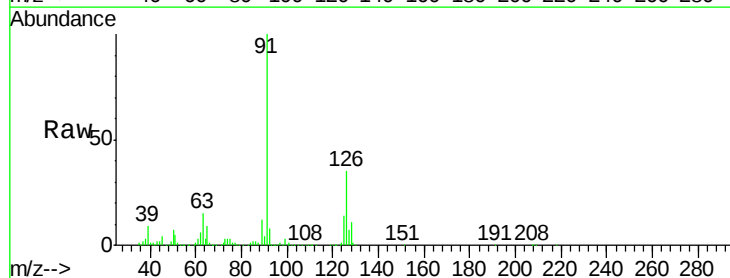
Acq: 13 Feb 2019 20:10

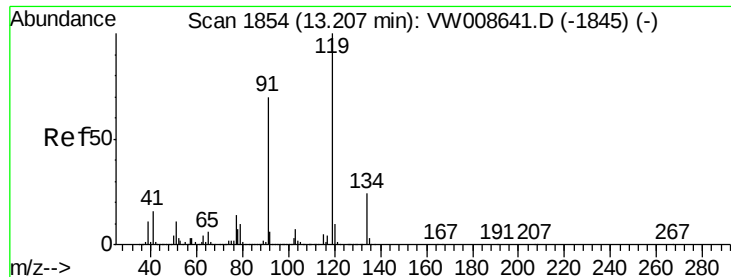
Tgt Ion: 91 Resp: 306185

Ion Ratio Lower Upper

91 100

126 34.7 16.9 50.7

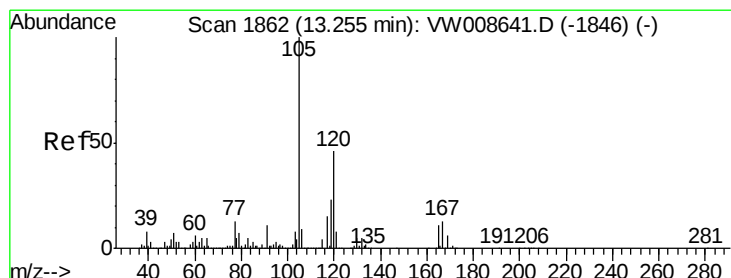
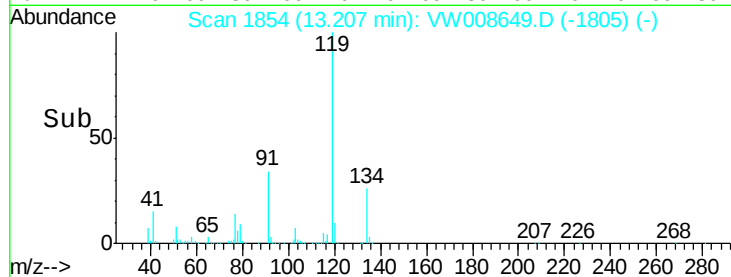
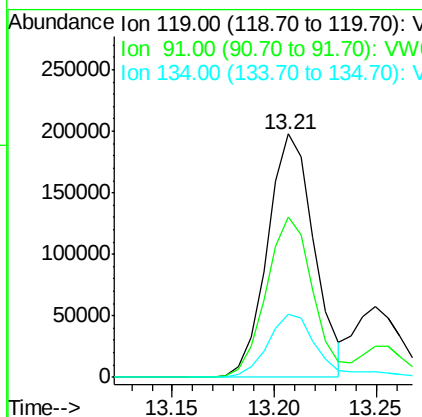
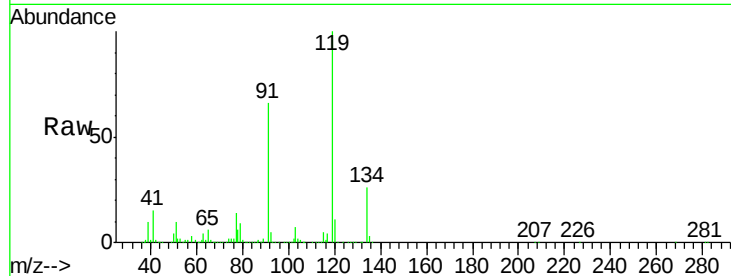




#83
tert-Butylbenzene
Concen: 20.489 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW008649.D
Acq: 13 Feb 2019 20:10

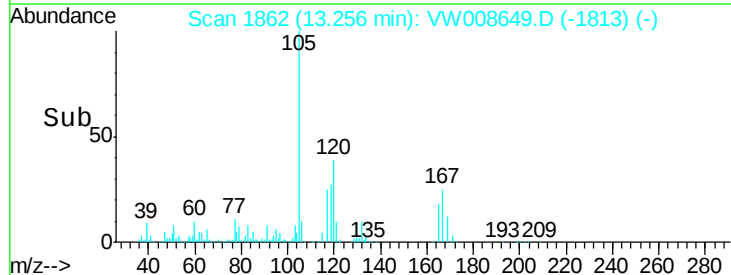
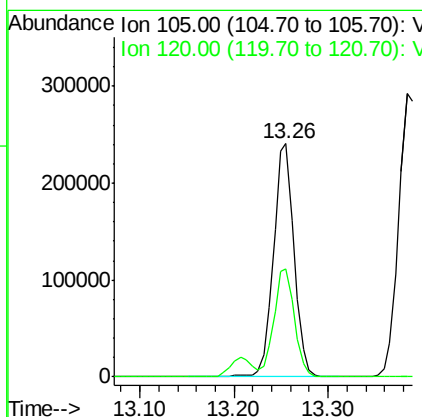
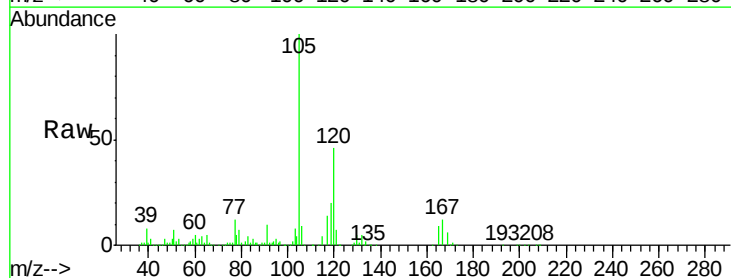
Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-O

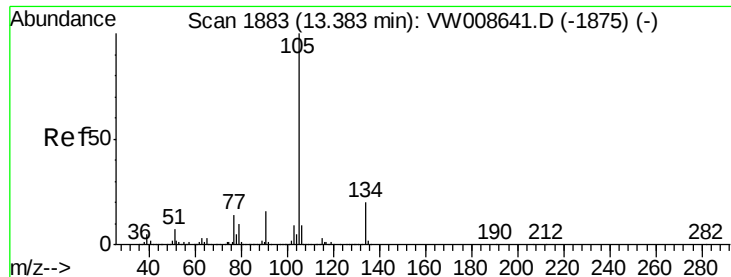
Tot Ion:119 Resp: 315050
Ion Ratio Lower Upper
119 100
91 66.6 34.0 102.0
134 28.1 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 20.329 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008649.D
Acq: 13 Feb 2019 20:10

Tgt Ion:105 Resp: 369986
Ion Ratio Lower Upper
105 100
120 46.4 22.9 68.8





#85

sec-Butylbenzene

Concen: 20.280 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

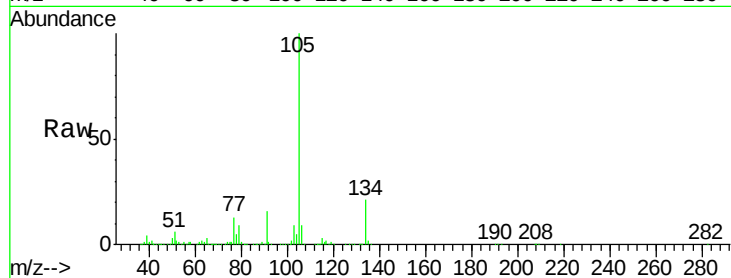
JC-02-021119-O

Tot Ion:105 Resp: 454042

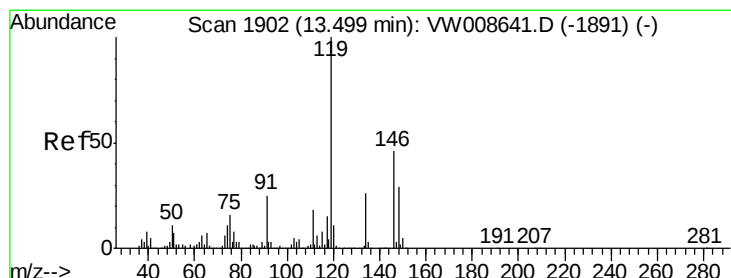
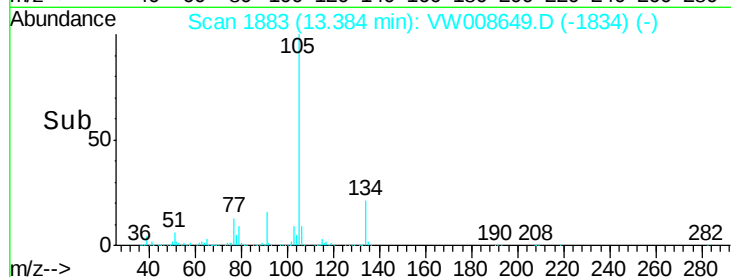
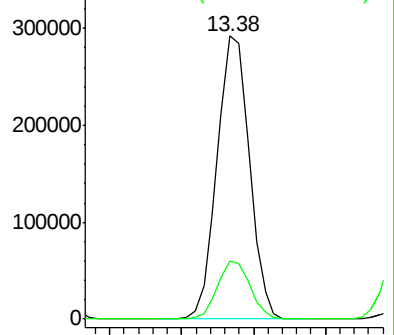
Ion Ratio Lower Upper

105 100

134 20.7 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V



#86

p-Isopropyltoluene

Concen: 19.912 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

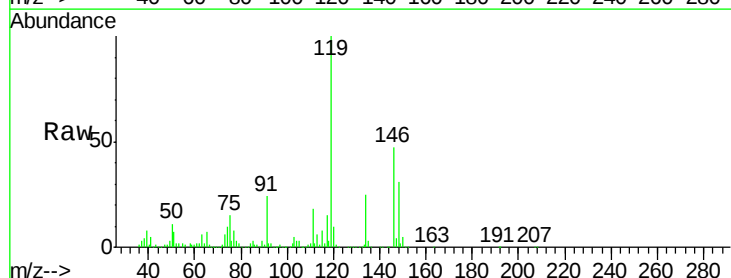
Tgt Ion:119 Resp: 398814

Ion Ratio Lower Upper

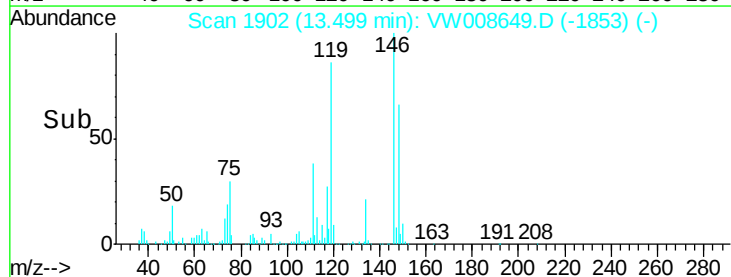
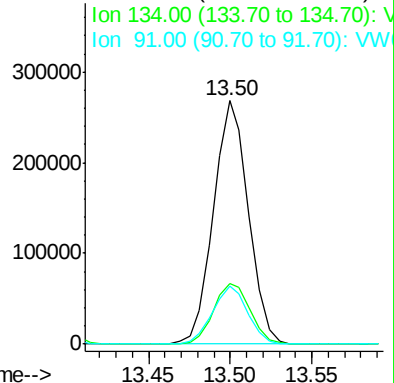
119 100

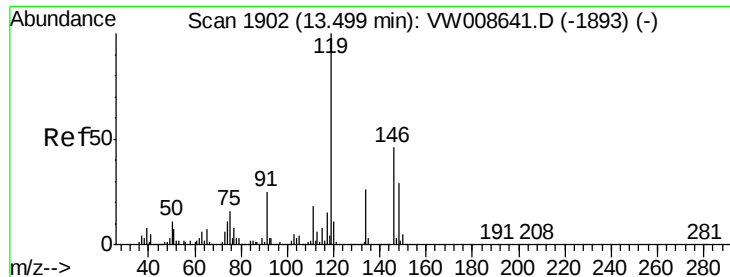
134 26.1 13.0 39.0

91 24.1 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V





#87

1,3-Dichlorobenzene

Concen: 20.560 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

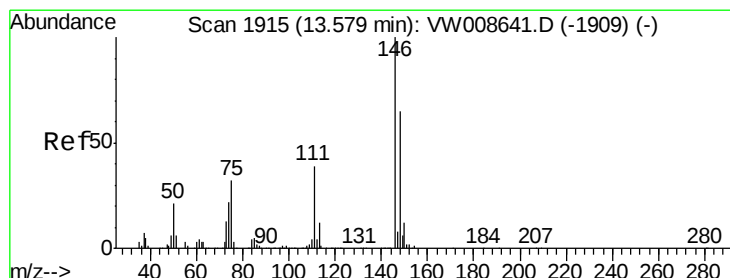
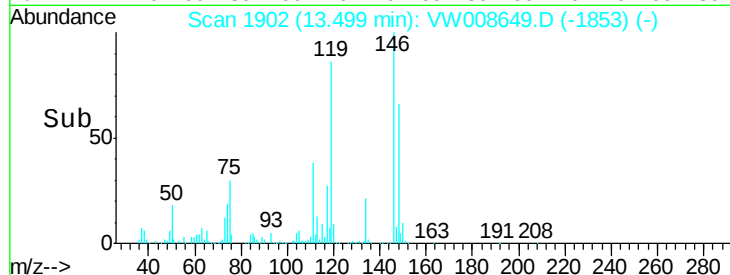
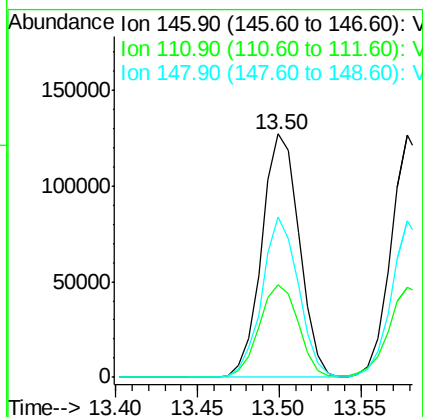
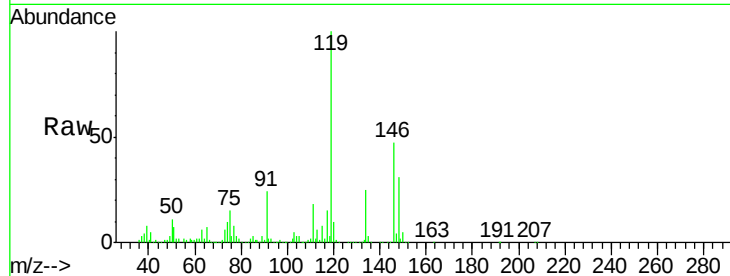
Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

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

Tot Ion:146 Resp: 204250

Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.4	58.1
148	63.7	31.6	94.8



#88

1,4-Dichlorobenzene

Concen: 20.892 ug/l

RT: 13.58 min Scan# 1915

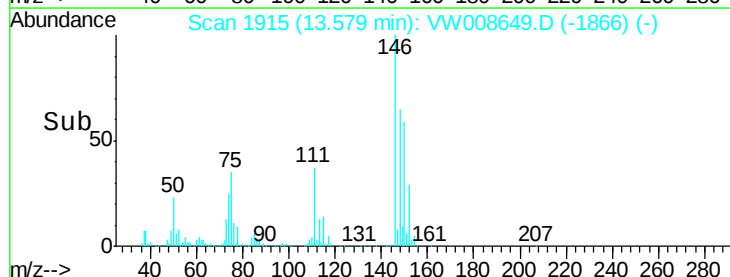
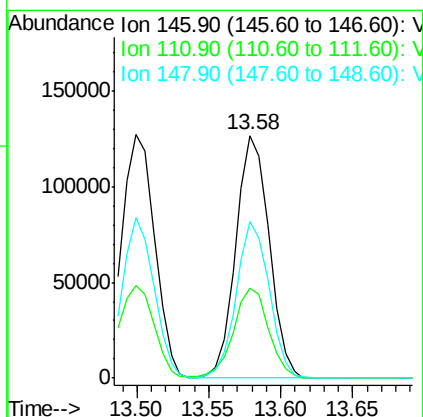
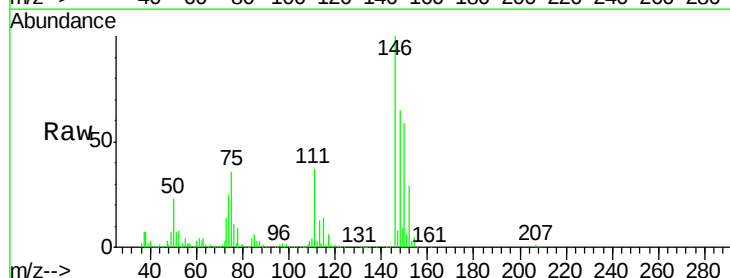
Delta R.T. 0.00 min

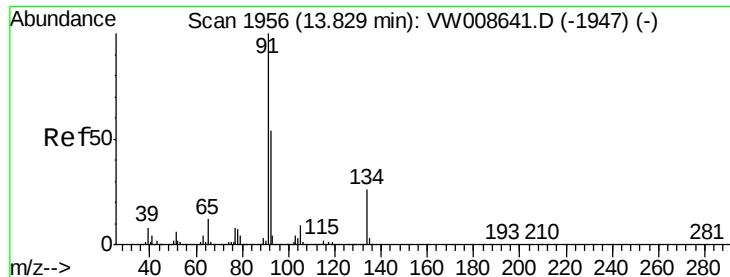
Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

Tgt Ion:146 Resp: 204554

Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.4	58.1
148	63.7	31.8	95.4





#89

n-Butylbenzene

Concen: 19.931 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

JC-02-021119-O

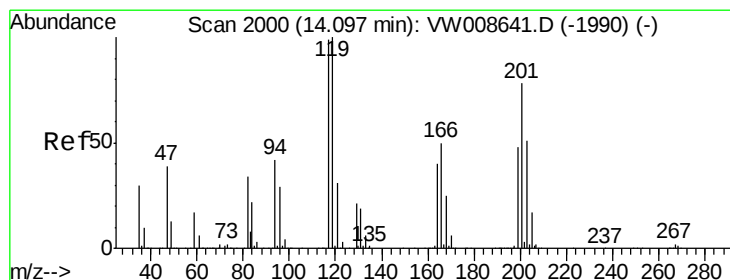
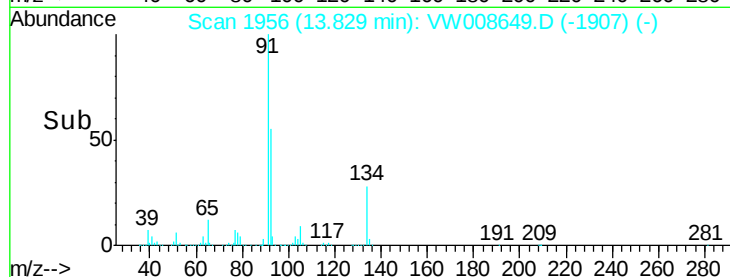
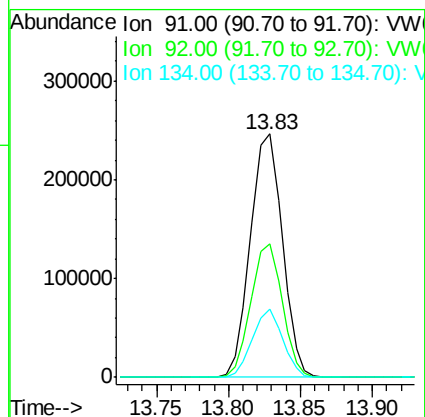
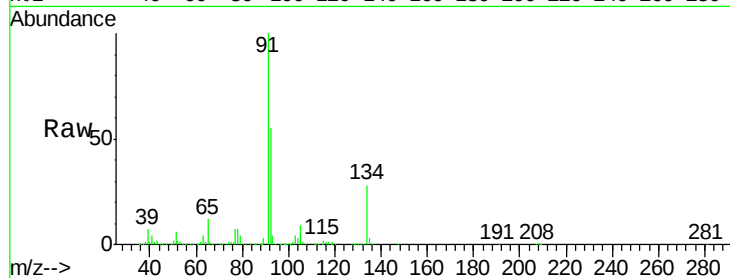
Tot Ion: 91 Resp: 379351

Ion Ratio Lower Upper

91 100

92 53.8 26.8 80.4

134 26.5 13.0 39.0



#90

Hexachloroethane

Concen: 20.118 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008649.D

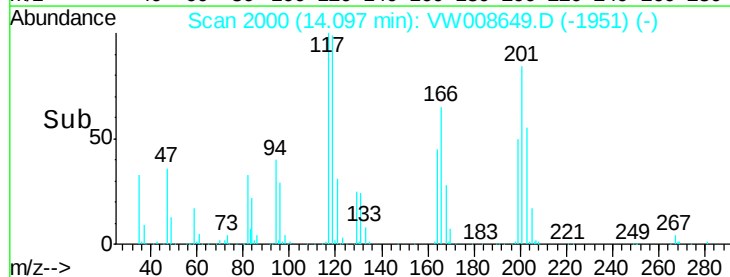
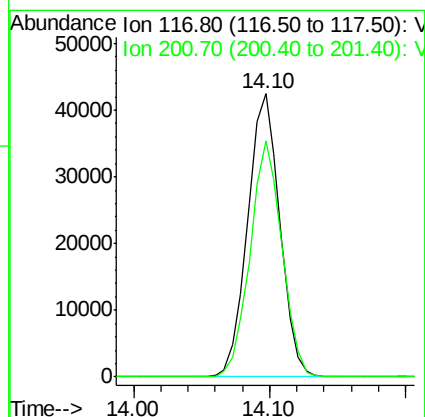
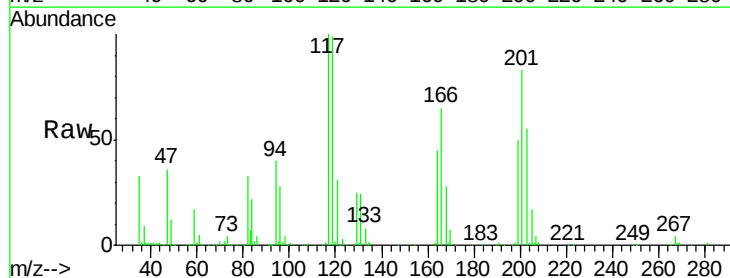
Acq: 13 Feb 2019 20:10

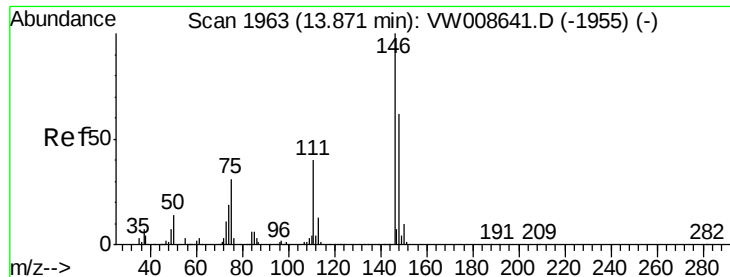
Tgt Ion: 117 Resp: 70399

Ion Ratio Lower Upper

117 100

201 82.5 38.7 116.1

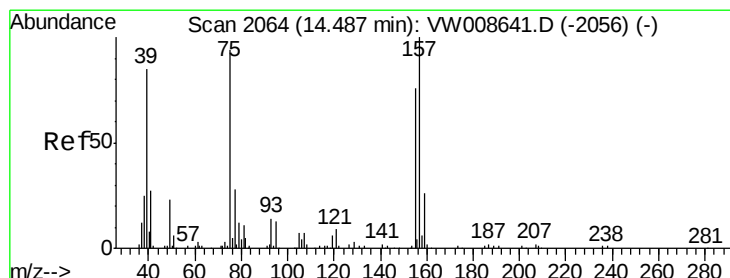
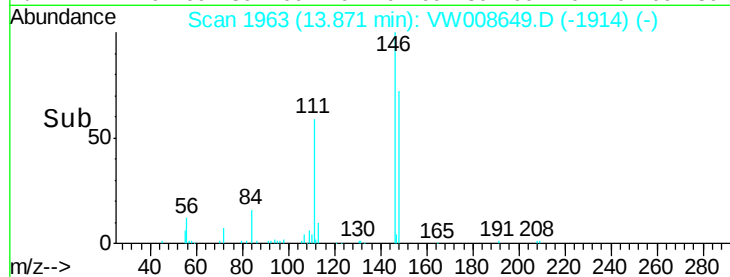
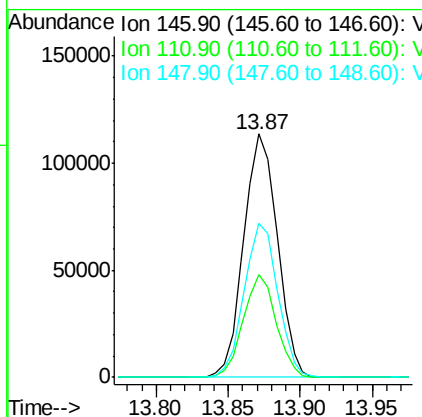
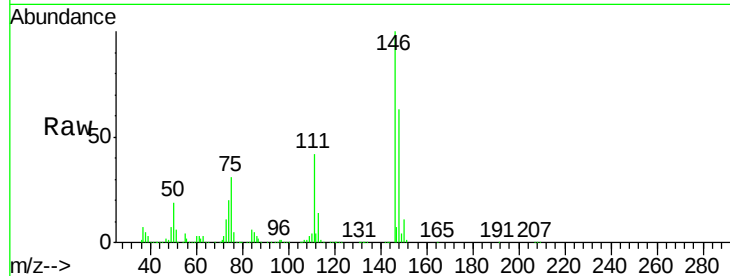




#91
 1,2-Dichlorobenzene
 Concen: 20.944 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008649.D
 Acq: 13 Feb 2019 20:10

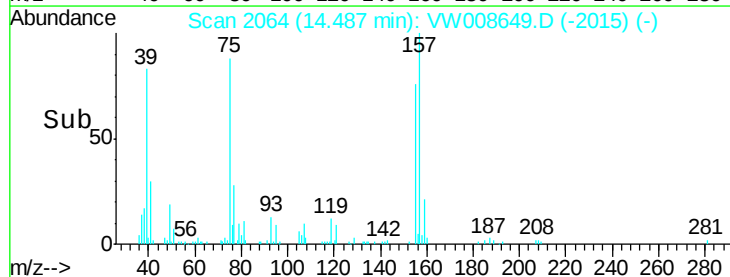
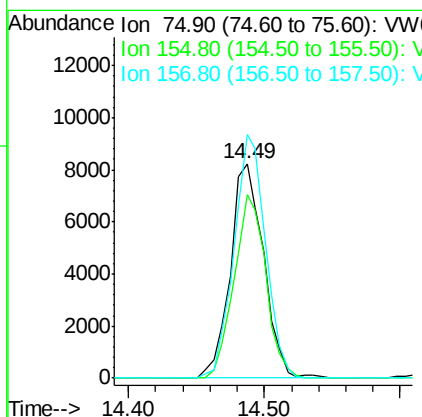
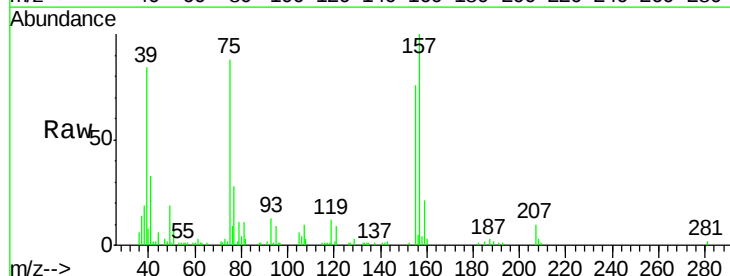
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-021119-O

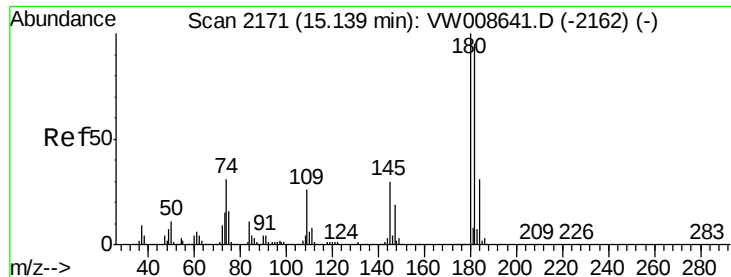
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.5	61.5
148	63.0	31.6	94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.673 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW008649.D
 Acq: 13 Feb 2019 20:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.3	41.8	125.4
157	108.0	53.8	161.4

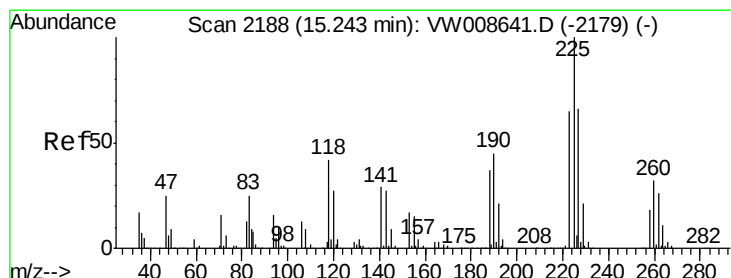
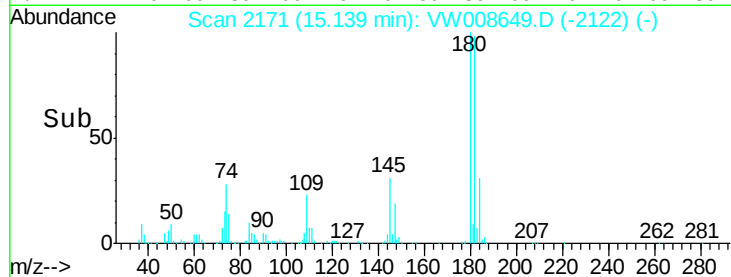
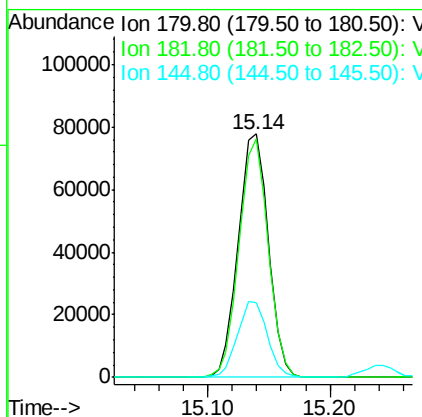
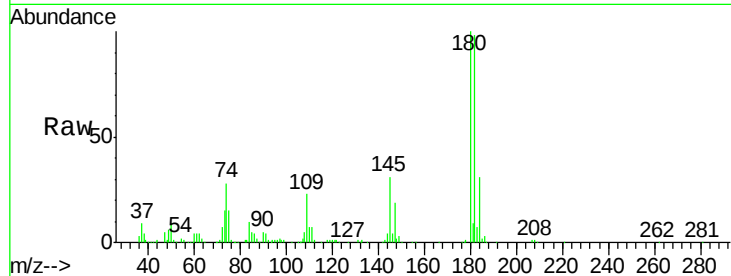




#93
 1,2,4-Trichlorobenzene
 Concen: 21.214 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008649.D
 Acq: 13 Feb 2019 20:10

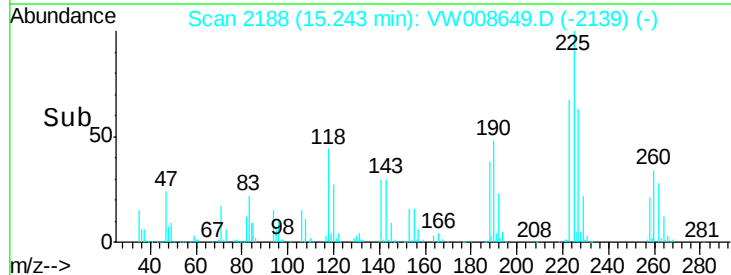
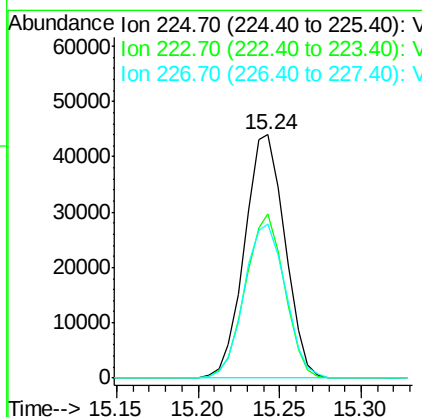
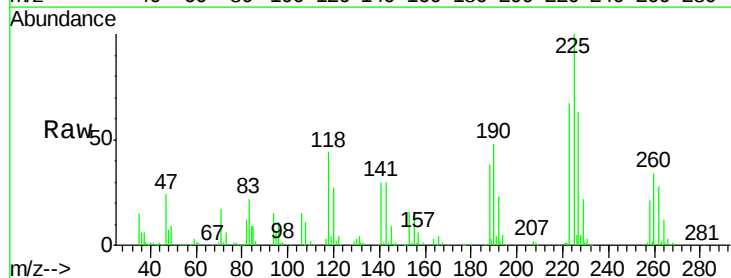
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-021119-O

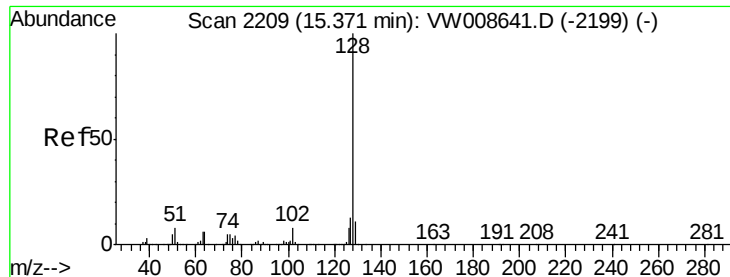
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.5	142.5
145	30.9	15.1	45.3



#94
 Hexachlorobutadiene
 Concen: 20.798 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008649.D
 Acq: 13 Feb 2019 20:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.4	31.4	94.3
227	65.1	32.4	97.0





#95

Naphthalene

Concen: 21.582 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

JC-02-021119-O

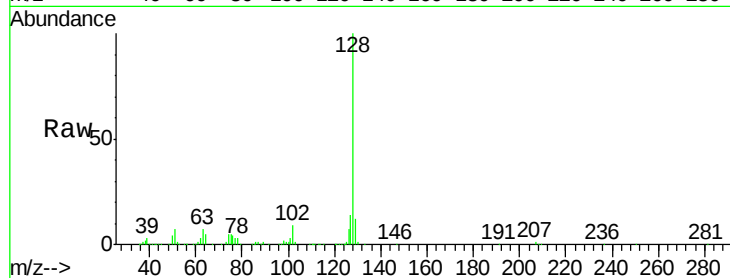
Tot Ion:128 Resp: 242332

Ion Ratio Lower Upper

128 100

127 13.6 10.9 16.3

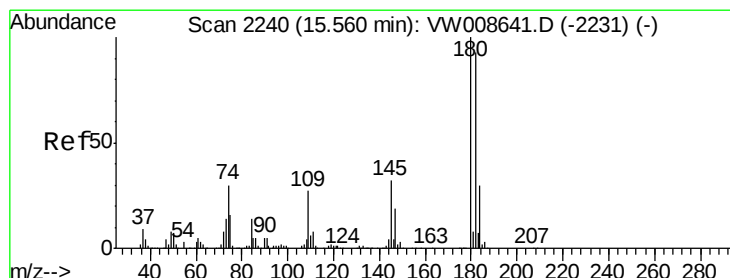
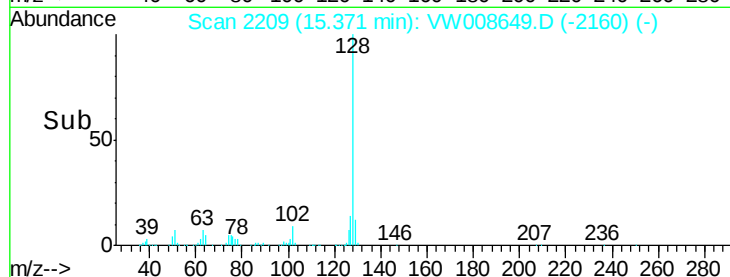
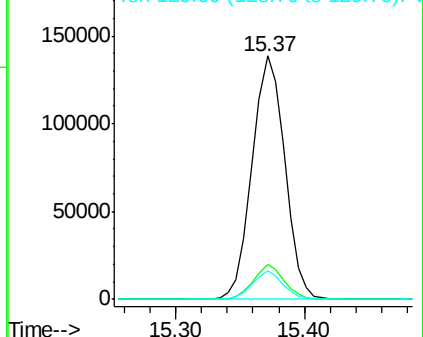
129 10.9 8.7 13.1



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: 21.666 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW008649.D

Acq: 13 Feb 2019 20:10

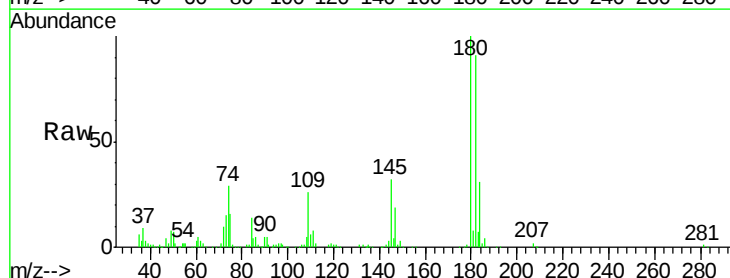
Tgt Ion:180 Resp: 116489

Ion Ratio Lower Upper

180 100

182 95.6 47.5 142.5

145 32.0 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

