

Data File : VW008629.D
Acq On : 12 Feb 2019 18:05
Operator : SY/VA
Sample : K1343-11RE
Misc : 6.78G/5ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Feb 13 00:23:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	428417	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	702432	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	636199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	284384	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	241709	57.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.86%	
35) Dibromofluoromethane	7.88	113	220334	53.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.28%	
50) Toluene-d8	10.32	98	841634	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
62) 4-Bromofluorobenzene	12.62	95	303301	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	

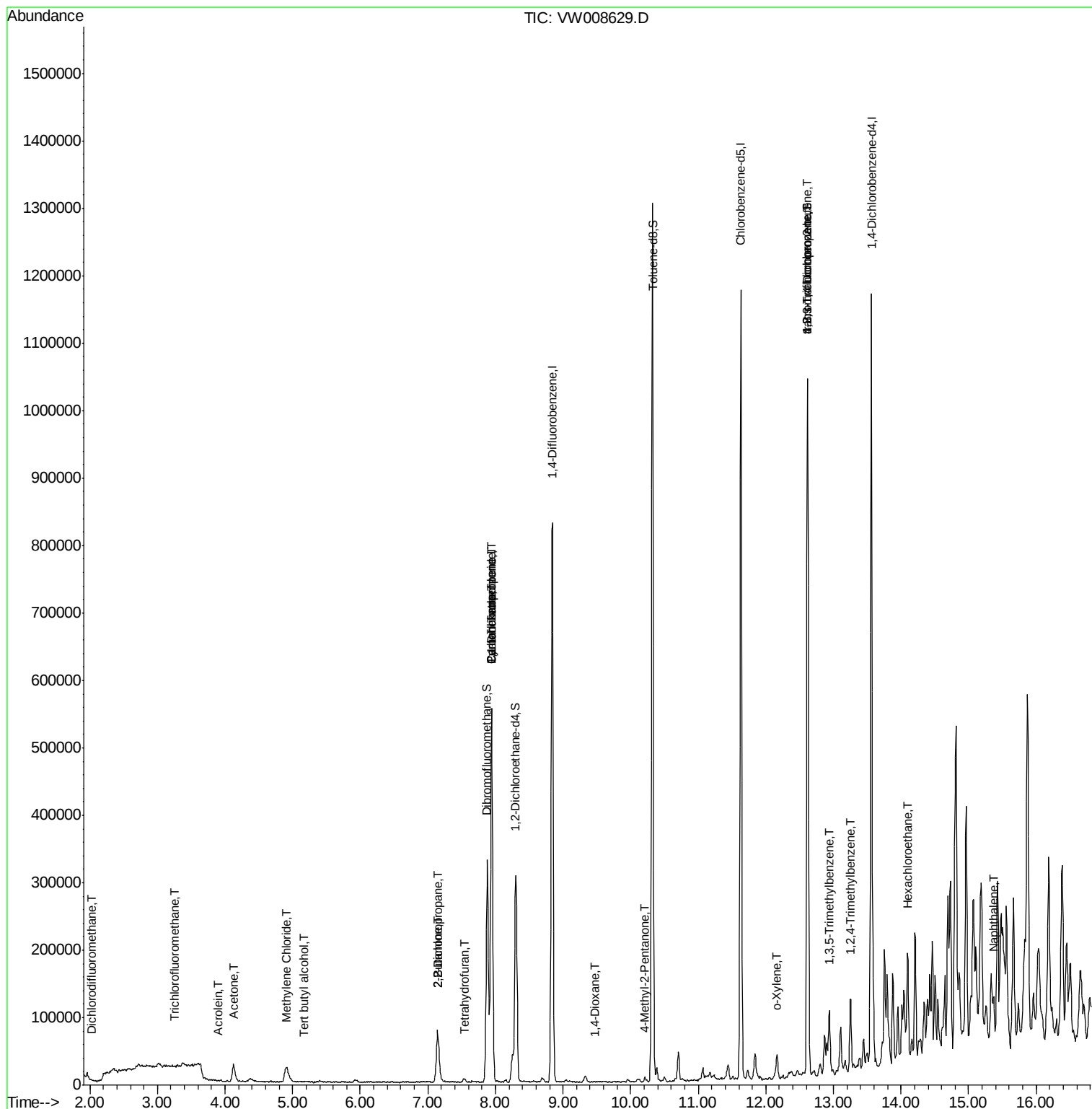
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.02	85	119	3.297	ug/l	83
7) Trichlorofluoromethane	3.26	101	173	4.765	ug/l #	17
11) Tert butyl alcohol	5.17	59	550	1.623	ug/l #	38
13) Acrolein	3.90	56	467	5.721	ug/l #	59
16) Acetone	4.13	43	46926	49.649	ug/l	95
20) Methylene Chloride	4.92	84	19450	4.465	ug/l	91
25) 2-Butanone	7.15	43	8823	6.721	ug/l #	77
26) 2,2-Dichloropropane	7.15	77	5607	1.038	ug/l #	55
29) Tetrahydrofuran	7.54	42	3621	4.353	ug/l	98
31) Cyclohexane	7.94	56	11547	1.398	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	32314	4.870	ug/l #	51
38) Carbon Tetrachloride	7.95	117	40590	6.079	ug/l #	17
49) 1,4-Dioxane	9.46	88	90	2.255	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	4790	1.590	ug/l	95
69) o-Xylene	12.17	106	8826	1.003	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	159683	64.583	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.94	105	27525	1.553	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.62	75	159683	127.557	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.26	105	59539	3.306	ug/l	99
90) Hexachloroethane	14.10	117	7571	1.962	ug/l #	10
95) Naphthalene	15.37	128	28326	2.732	ug/l #	85

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008629.D

Acq: 12 Feb 2019 18:05

Instrument :

MSVOA_W

ClientSampleId :

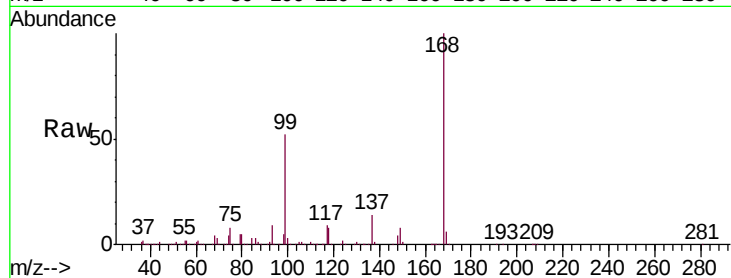
JC-02-021119-F

Tgt Ion:168 Resp: 428417

Ion Ratio Lower Upper

168 100

99 52.2 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

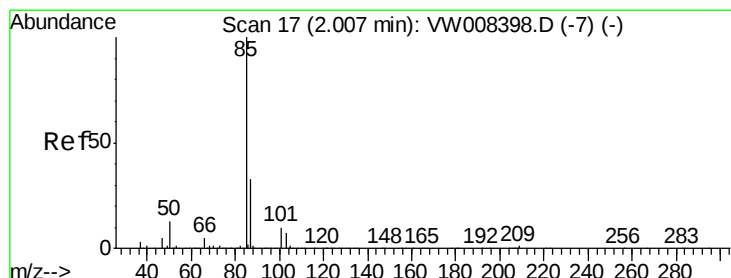
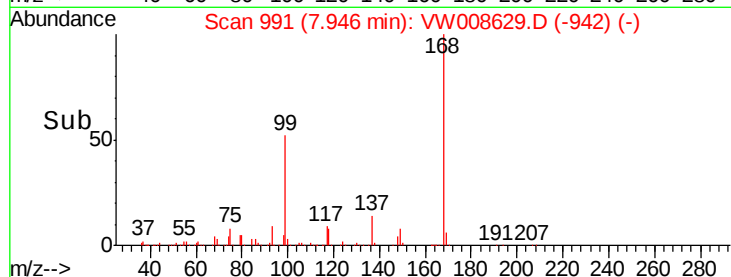
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 3.297 ug/l

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW008629.D

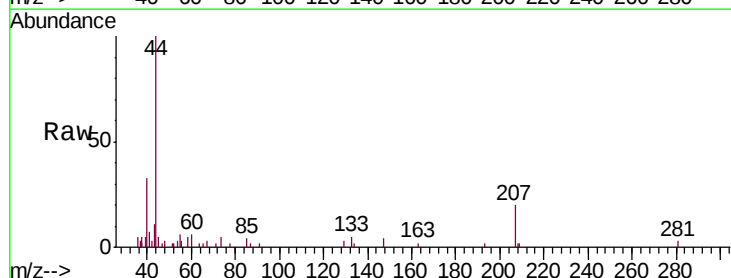
Acq: 12 Feb 2019 18:05

Tgt Ion: 85 Resp: 119

Ion Ratio Lower Upper

85 100

87 42.9 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

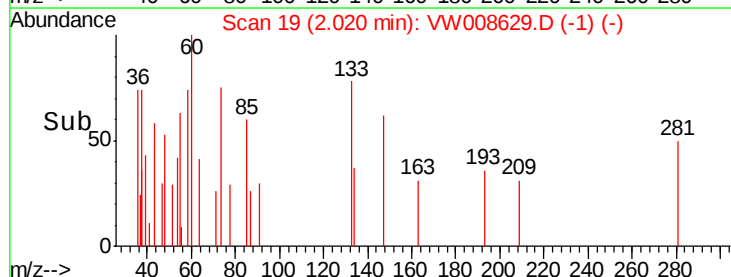
2.02

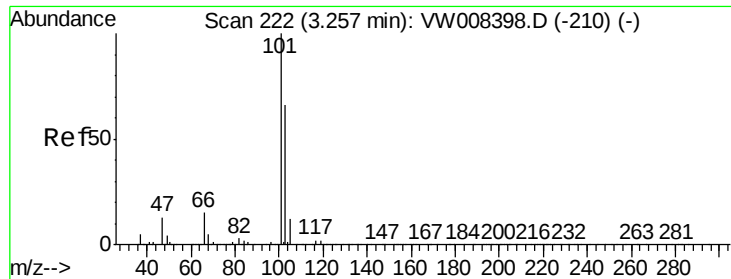
100

50

0

Time--> 1.98 2.00 2.02 2.04



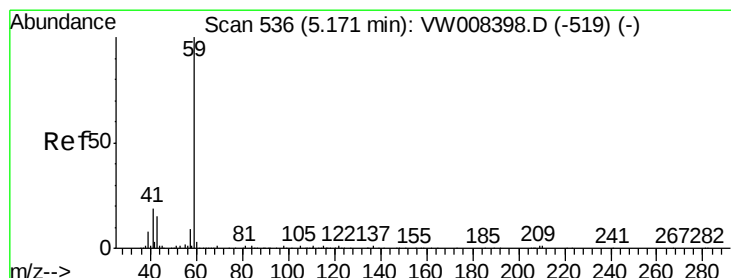
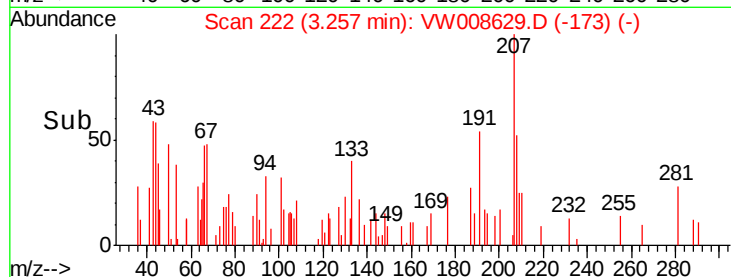
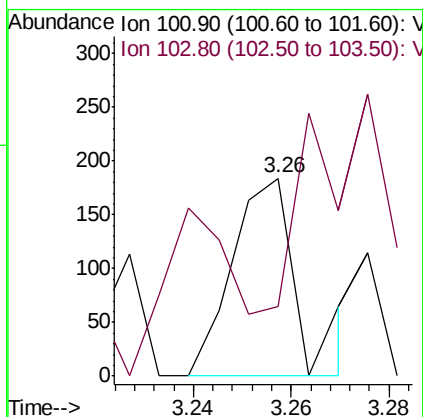
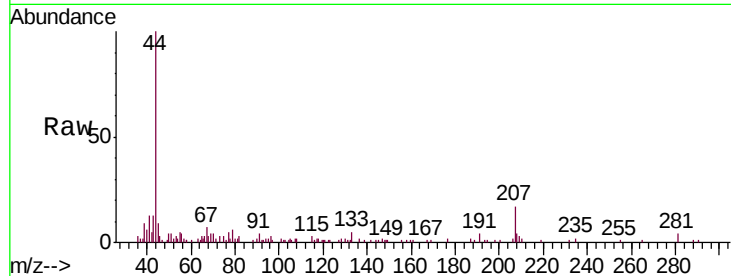


#7

Trichlorofluoromethane
 Concen: 4.765 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW008629.D
 Acq: 12 Feb 2019 18:05

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

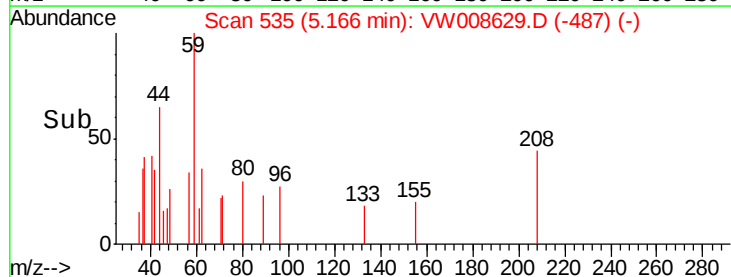
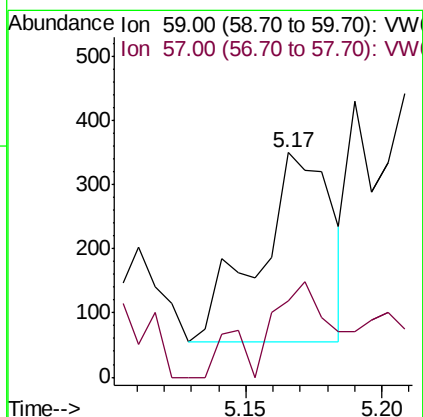
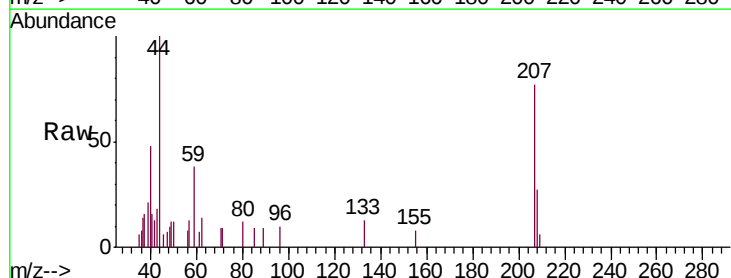
Tgt Ion: 101 Resp: 173
 Ion Ratio Lower Upper
 101 100
 103 0.0 52.5 78.7#

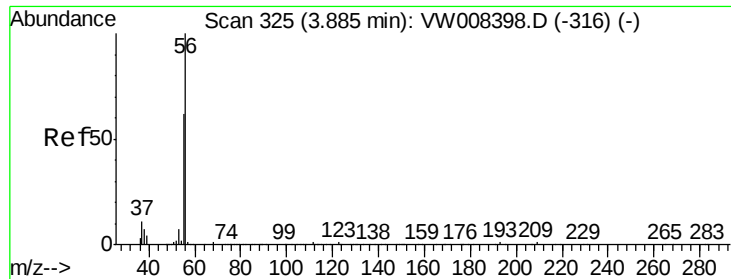


#11

Tert butyl alcohol
 Concen: 1.623 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW008629.D
 Acq: 12 Feb 2019 18:05

Tgt Ion: 59 Resp: 550
 Ion Ratio Lower Upper
 59 100
 57 35.3 9.3 13.9#





#13

Acrolein

Concen: 5.721 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008629.D

Acq: 12 Feb 2019 18:05

Instrument :

MSVOA_W

ClientSampleId :

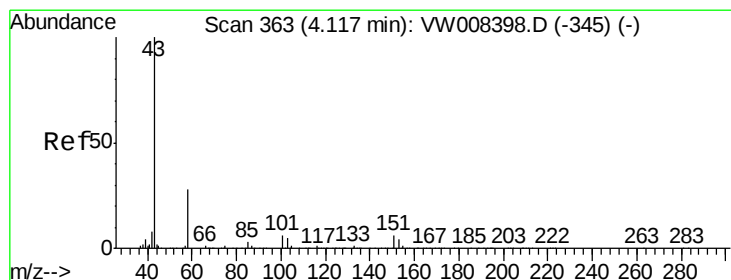
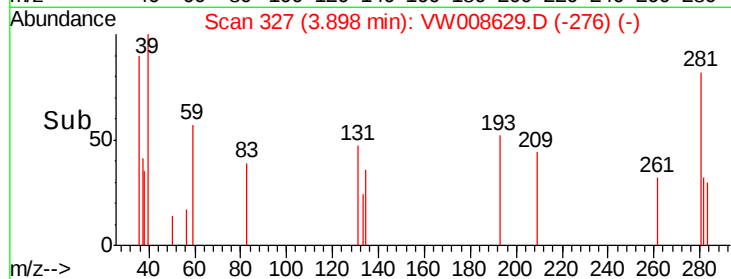
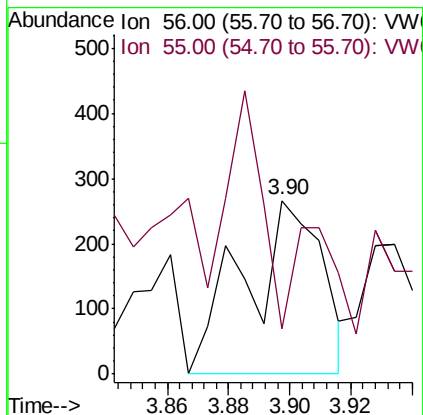
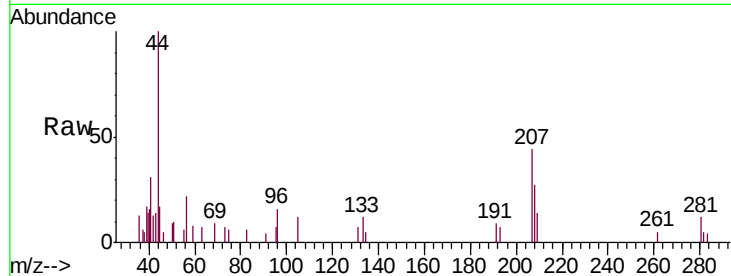
JC-02-021119-F

Tgt Ion: 56 Resp: 467

Ion Ratio Lower Upper

56 100

55 36.6 56.7 85.1#



#16

Acetone

Concen: 49.649 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008629.D

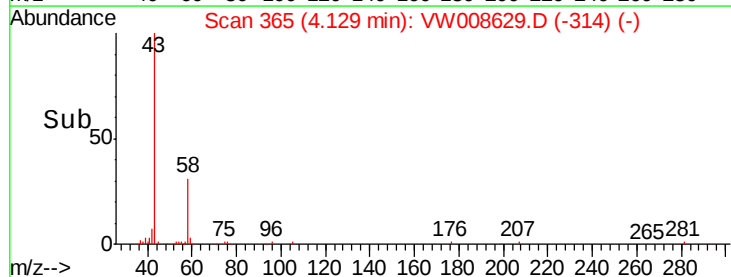
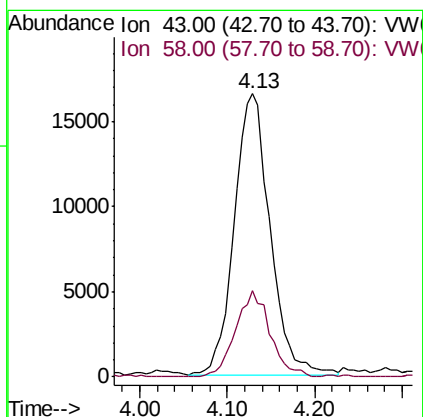
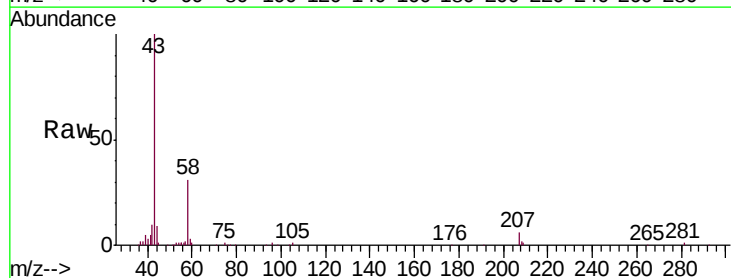
Acq: 12 Feb 2019 18:05

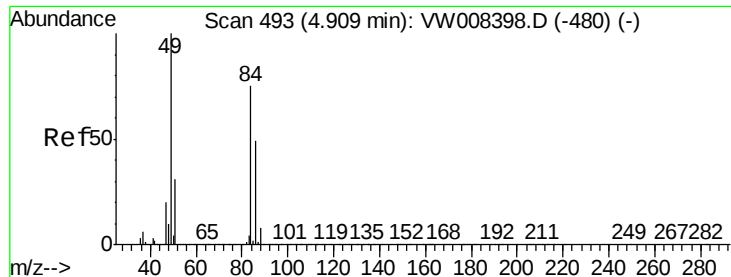
Tgt Ion: 43 Resp: 46926

Ion Ratio Lower Upper

43 100

58 30.9 22.6 34.0

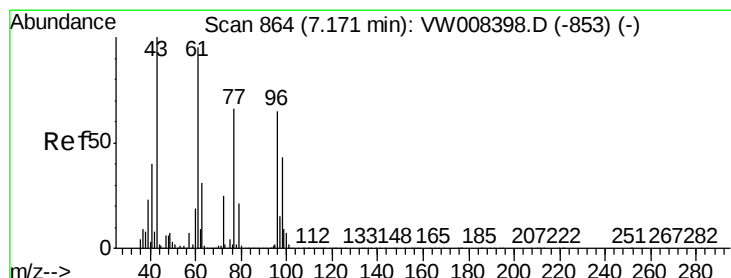
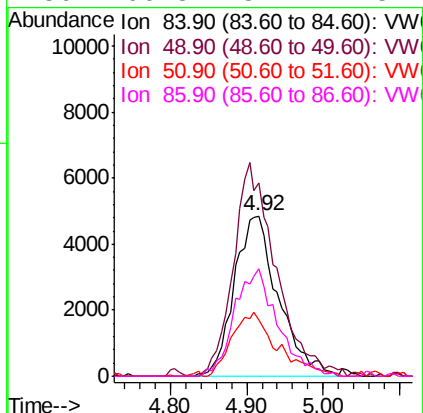
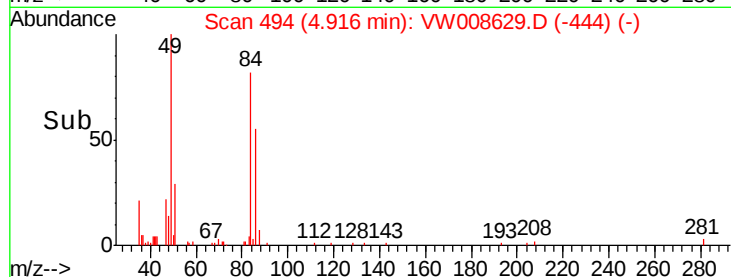
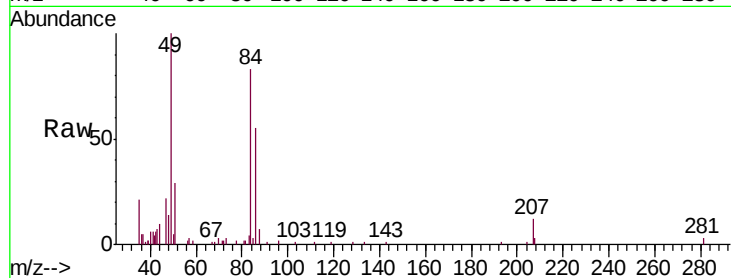




#20
Methylene Chloride
Concen: 4.465 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008629.D
Acq: 12 Feb 2019 18:05

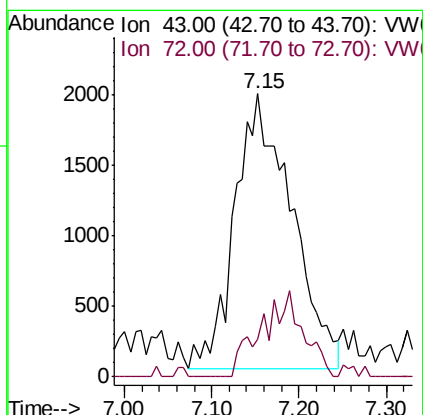
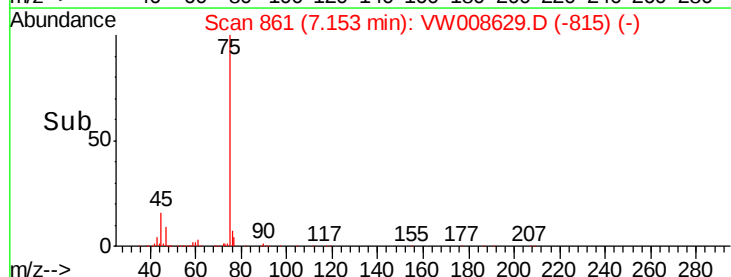
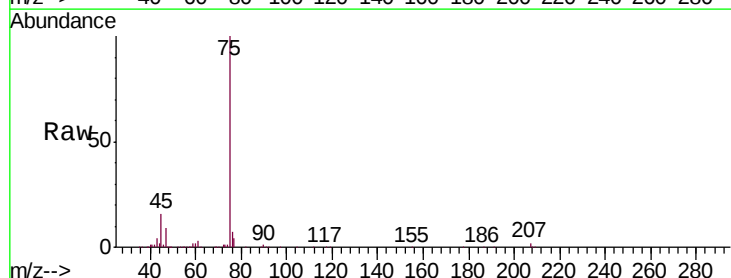
Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-F

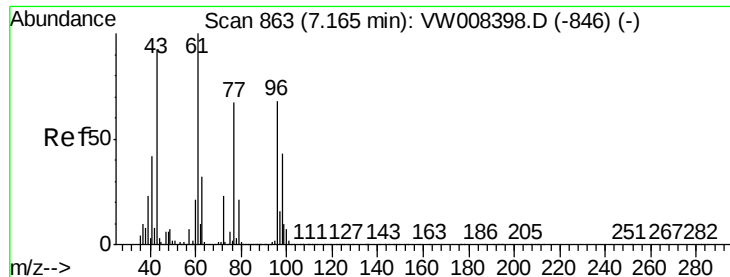
Tgt Ion:	84	Resp:	19450
Ion	Ratio	Lower	Upper
84	100		
49	120.9	106.8	160.2
51	33.7	32.9	49.3
86	66.8	52.2	78.2



#25
2-Butanone
Concen: 6.721 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: VW008629.D
Acq: 12 Feb 2019 18:05

Tgt Ion:	43	Resp:	8823
Ion	Ratio	Lower	Upper
43	100		
72	13.5	20.1	30.1#

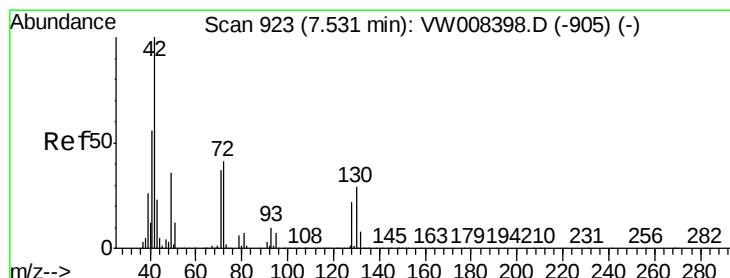
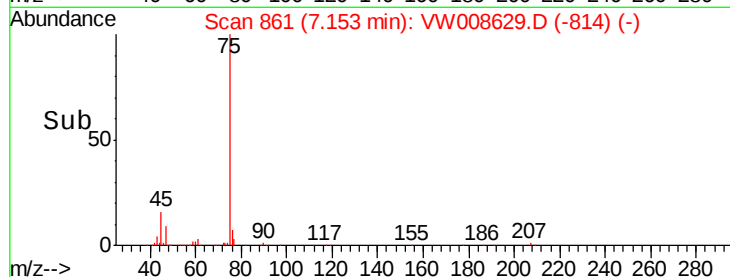
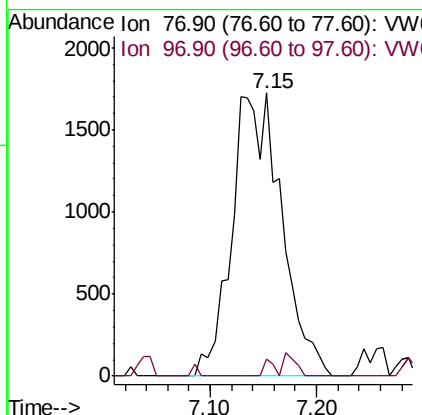
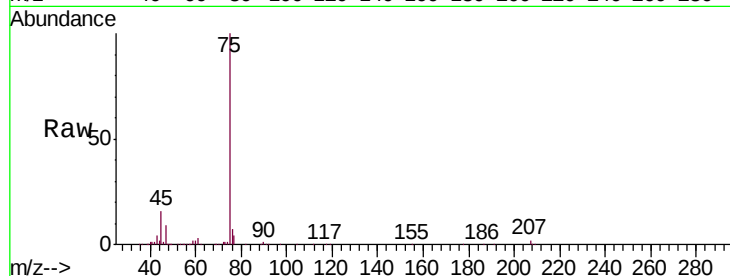




#26
 2,2-Dichloropropane
 Concen: 1.038 ug/l
 RT: 7.15 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: VW008629.D
 Acq: 12 Feb 2019 18:05

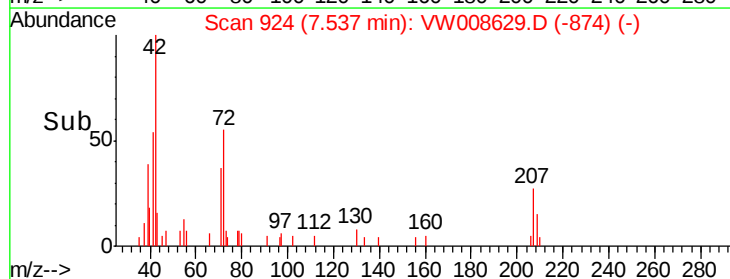
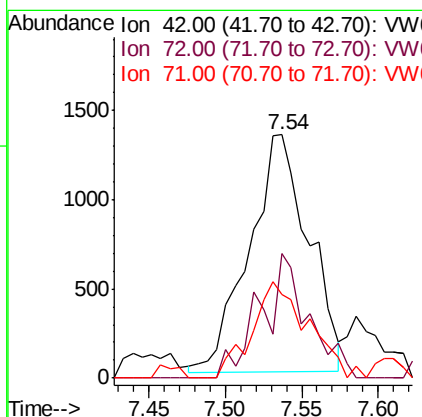
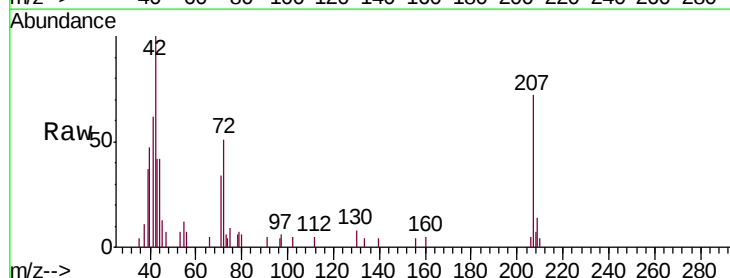
Instrument :
 MSVOA_W
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 JC-02-021119-F

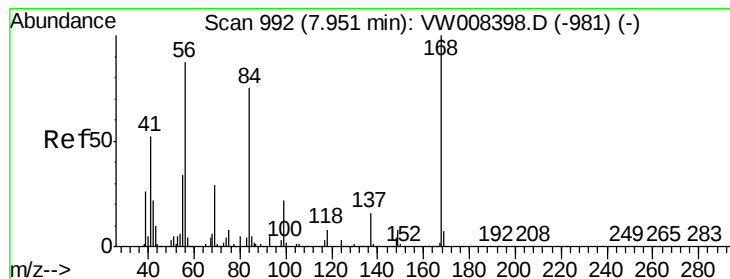
Tgt Ion: 77 Resp: 5607
 Ion Ratio Lower Upper
 77 100
 97 1.2 11.5 34.5#



#29
 Tetrahydrofuran
 Concen: 4.353 ug/l
 RT: 7.54 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VW008629.D
 Acq: 12 Feb 2019 18:05

Tgt Ion: 42 Resp: 3621
 Ion Ratio Lower Upper
 42 100
 72 41.7 31.9 47.9
 71 38.2 29.9 44.9





#31

Cyclohexane

Concen: 1.398 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW008629.D

Acq: 12 Feb 2019 18:05

Instrument :

MSVOA_W

ClientSampleId :

JC-02-021119-F

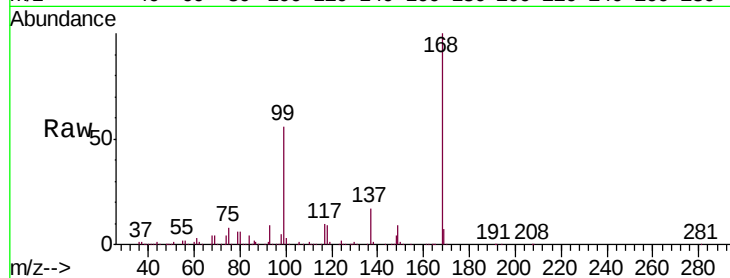
Tgt Ion: 56 Resp: 11547

Ion Ratio Lower Upper

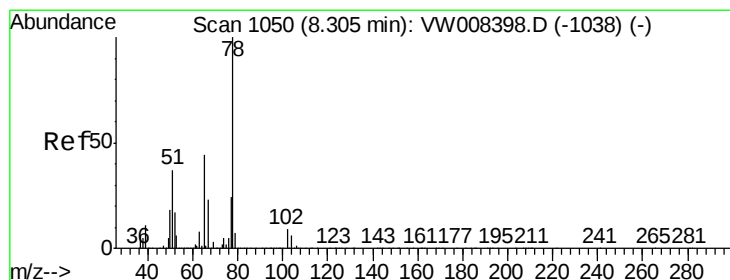
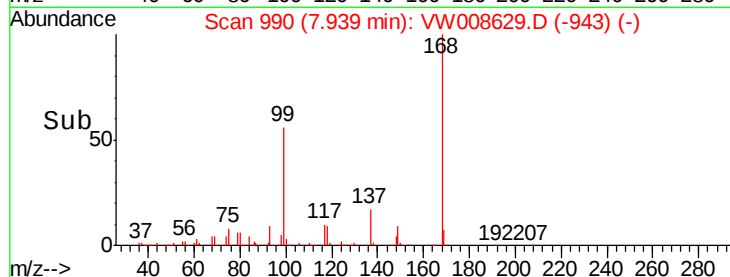
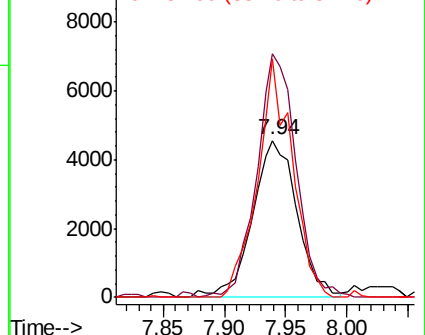
56 100

69 153.0 26.4 39.6#

84 152.4 69.1 103.7#



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



#33

1,2-Dichloroethane-d4

Concen: 57.429 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW008629.D

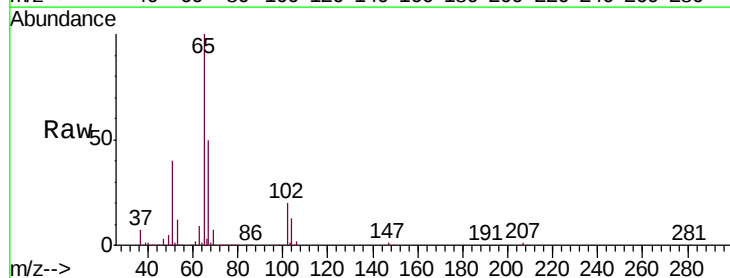
Acq: 12 Feb 2019 18:05

Tgt Ion: 65 Resp: 241709

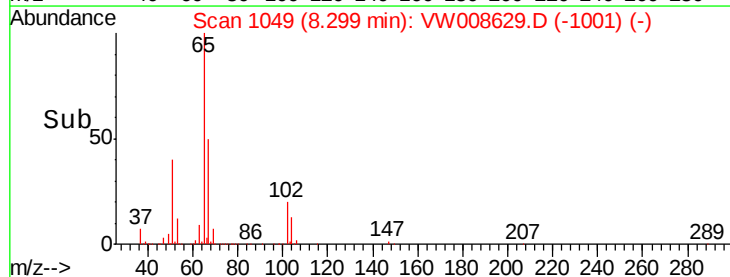
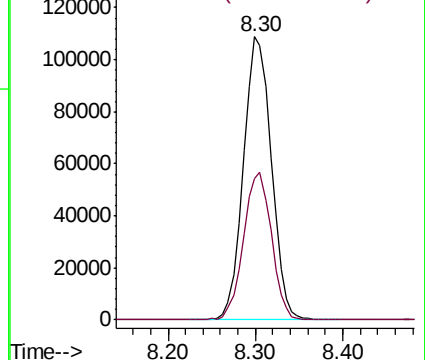
Ion Ratio Lower Upper

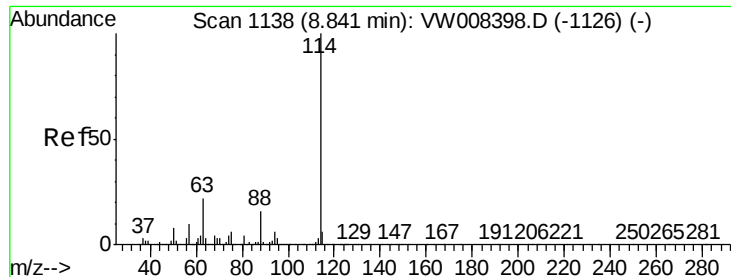
65 100

67 52.0 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

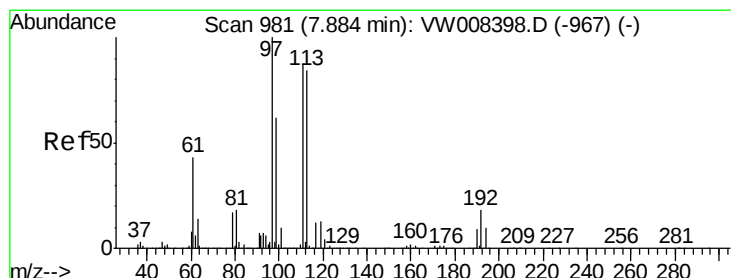
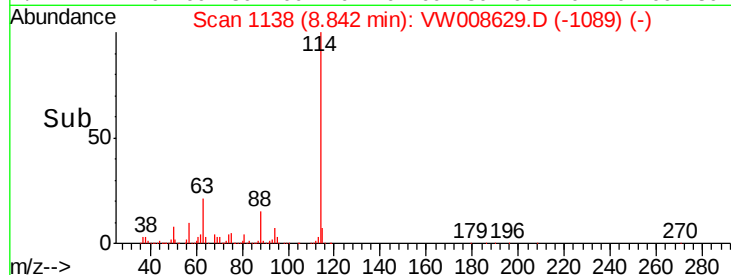
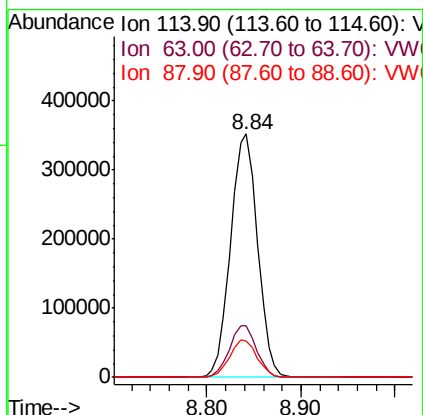
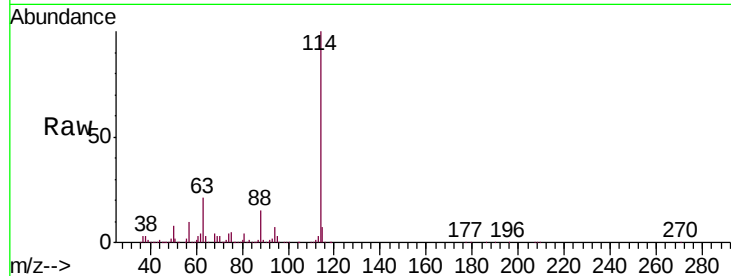




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008629.D
 Acq: 12 Feb 2019 18:05

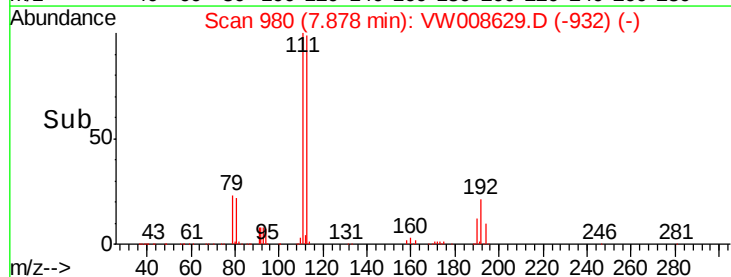
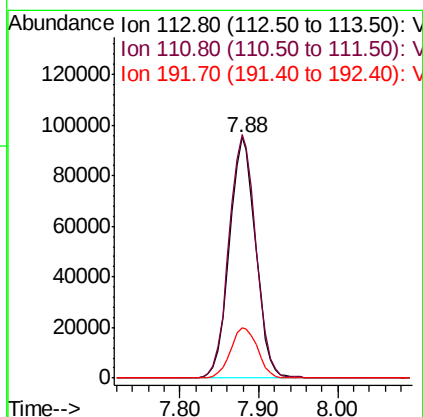
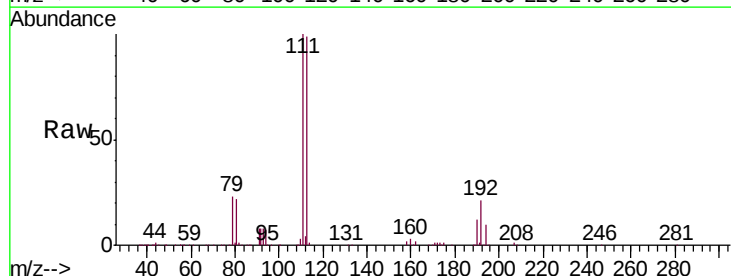
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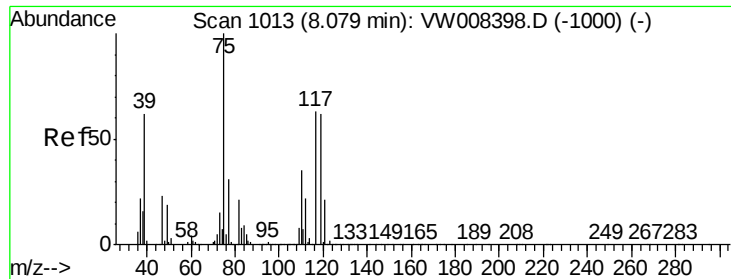
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	43.6
88	15.1	0.0	31.8



#35
 Dibromofluoromethane
 Concen: 53.644 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008629.D
 Acq: 12 Feb 2019 18:05

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.0	121.4
192	21.6	16.8	25.2

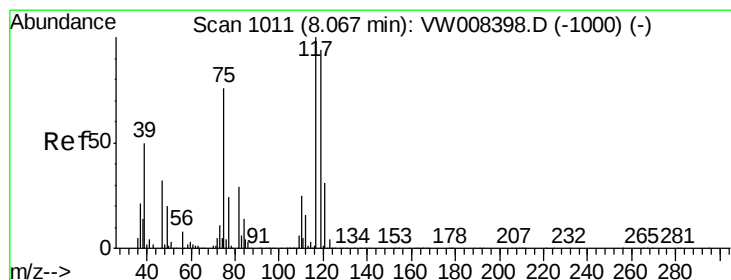
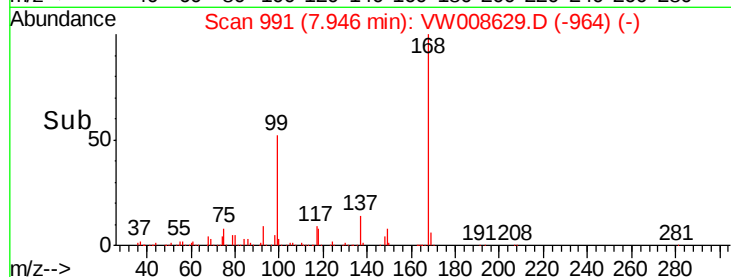
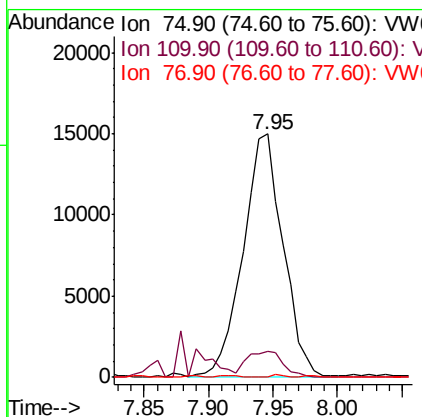
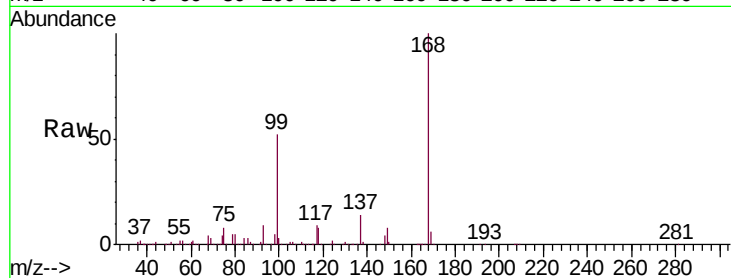




#36
 1,1-Dichloropropene
 Concen: 4.870 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008629.D
 Acq: 12 Feb 2019 18:05

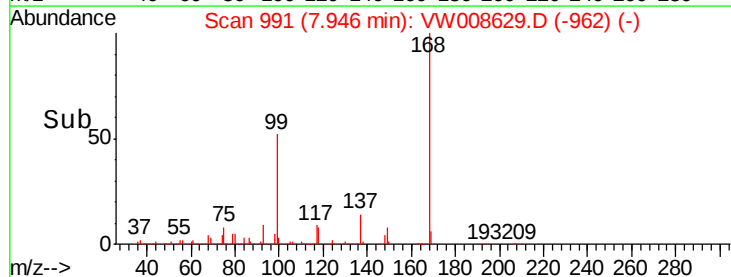
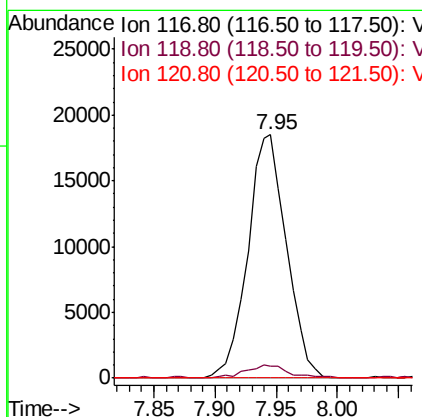
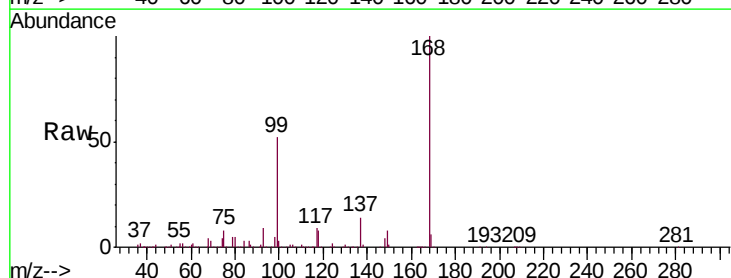
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-021119-F

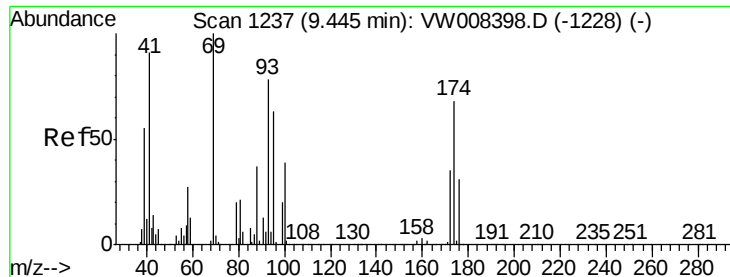
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	17.3	52.0#
77	0.3	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.079 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008629.D
 Acq: 12 Feb 2019 18:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	75.0	112.4#
121	0.0	24.9	37.3#





#49

1,4-Dioxane

Concen: 2.255 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.02 min

Lab File: VW008629.D

Acq: 12 Feb 2019 18:05

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

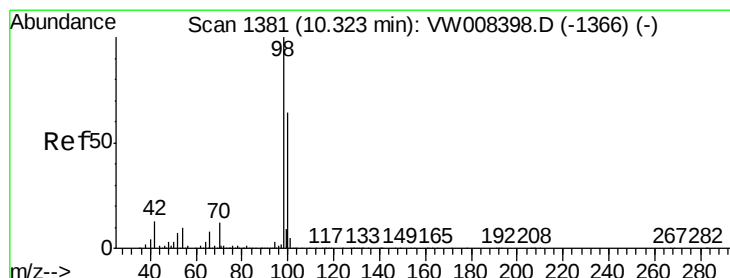
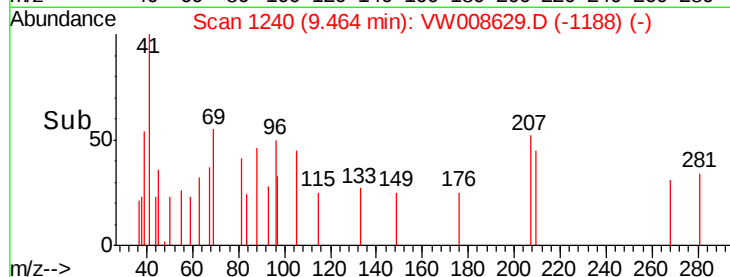
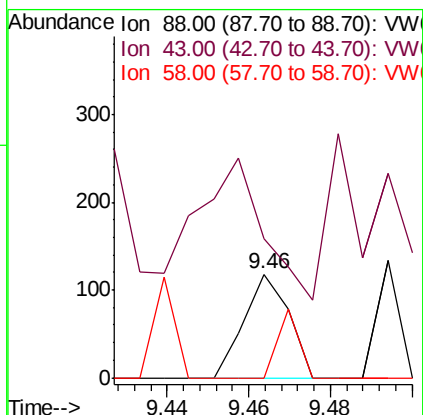
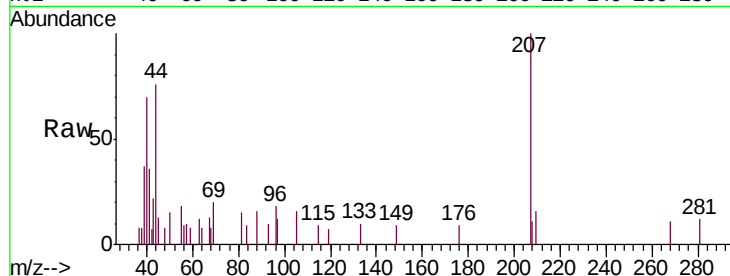
Tgt Ion: 88 Resp: 90

Ion Ratio Lower Upper

88 100

43 245.6 29.0 43.4#

58 32.2 56.4 84.6#



#50

Toluene-d8

Concen: 51.099 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008629.D

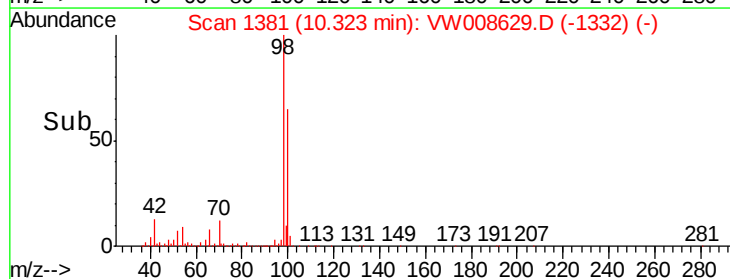
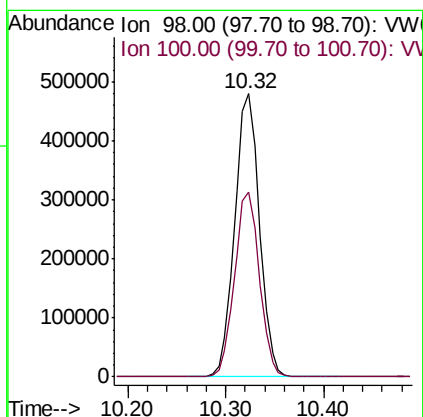
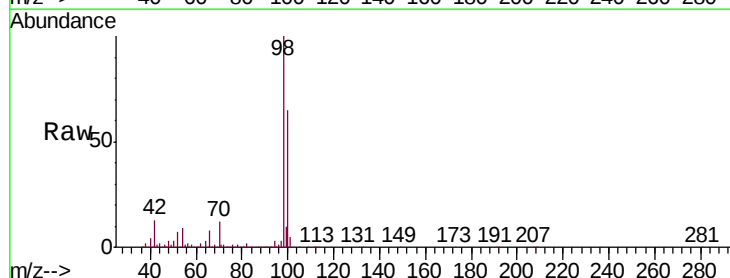
Acq: 12 Feb 2019 18:05

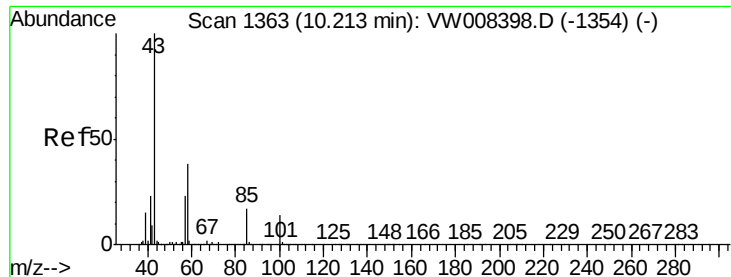
Tgt Ion: 98 Resp: 841634

Ion Ratio Lower Upper

98 100

100 65.7 52.6 78.8

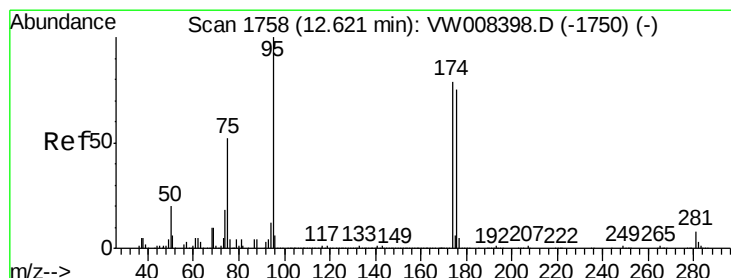
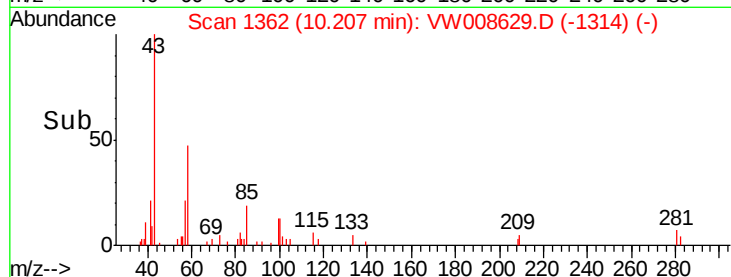
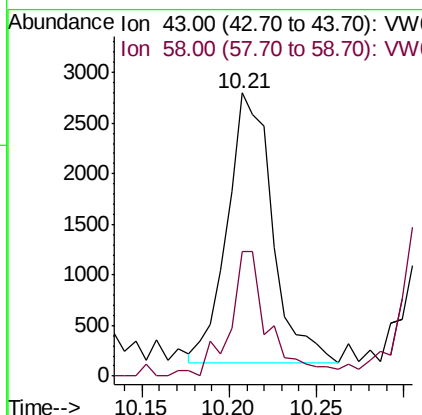
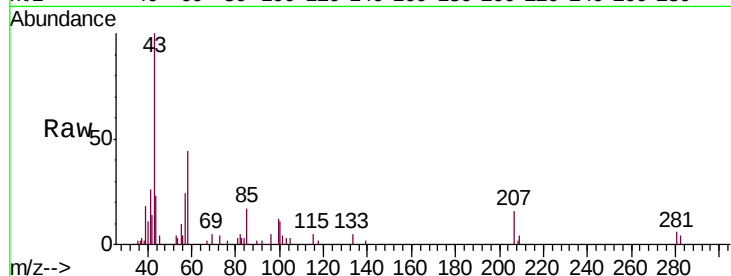




#51
4-Methyl-2-Pentanone
Concen: 1.590 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VW008629.D
Acq: 12 Feb 2019 18:05

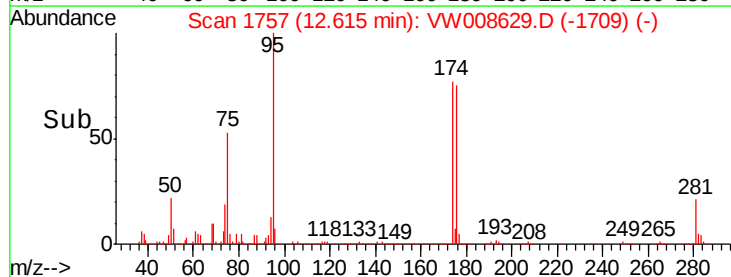
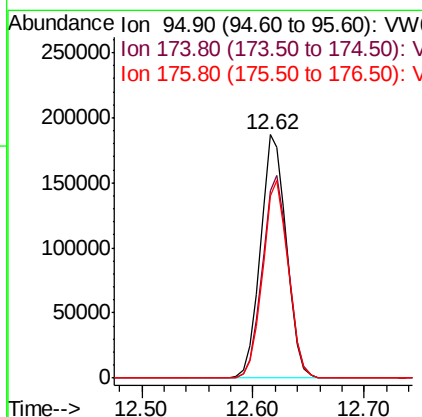
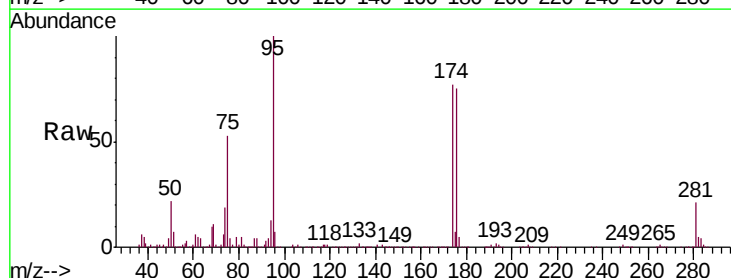
Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-F

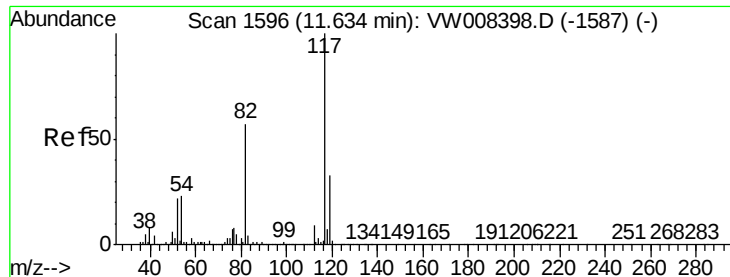
Tgt Ion: 43 Resp: 4790
Ion Ratio Lower Upper
43 100
58 40.1 29.7 44.5



#62
4-Bromofluorobenzene
Concen: 47.907 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW008629.D
Acq: 12 Feb 2019 18:05

Tgt Ion: 95 Resp: 303301
Ion Ratio Lower Upper
95 100
174 83.4 0.0 157.6
176 80.2 0.0 151.8

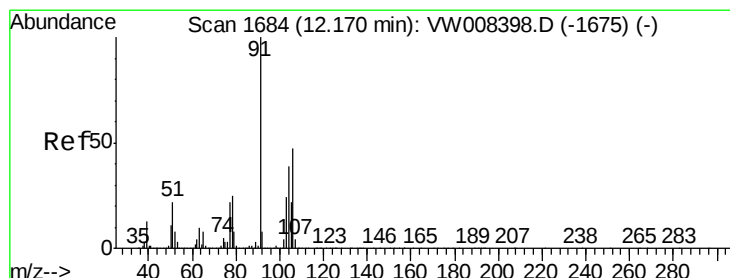
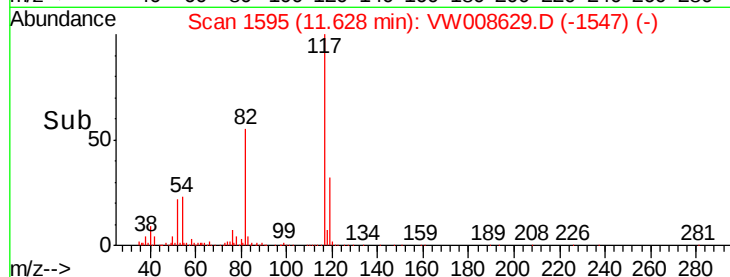
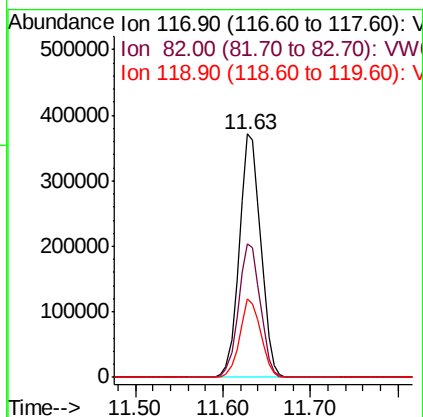
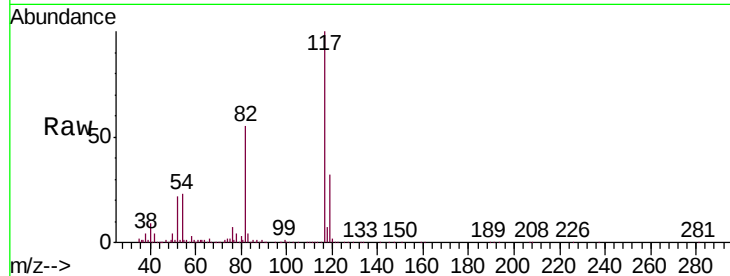




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW008629.D
Acq: 12 Feb 2019 18:05

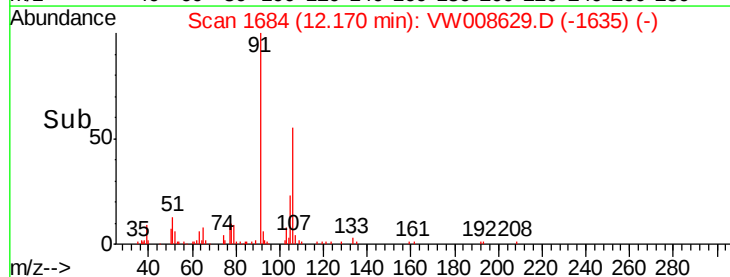
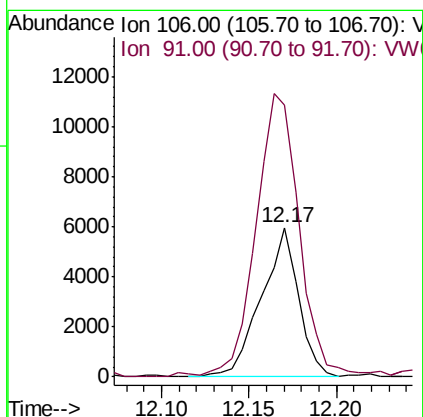
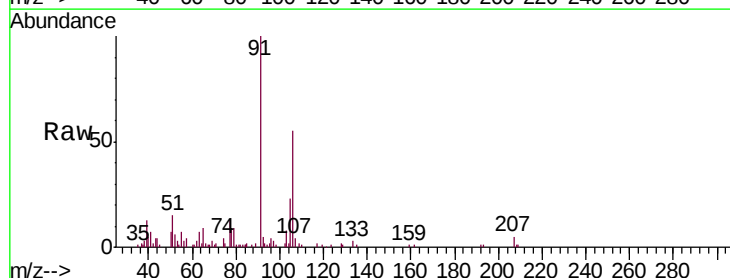
Instrument :
MSVOA_W
ClientSampleId :
JC-02-021119-F

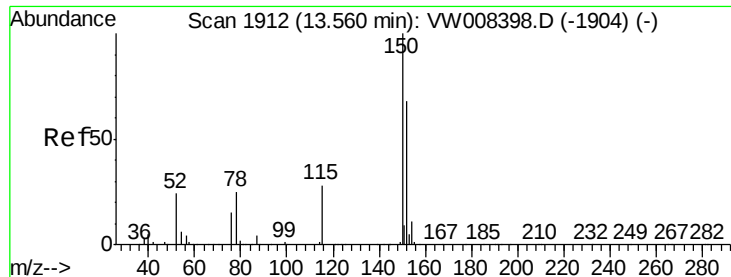
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.9	45.4	68.0
119	32.2	26.2	39.4



#69
o-Xylene
Concen: 1.003 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008629.D
Acq: 12 Feb 2019 18:05

Tgt Ion	Ratio	Lower	Upper
106	100		
91	221.1	107.5	322.4



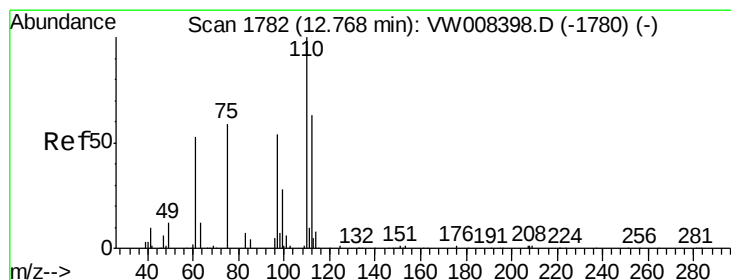
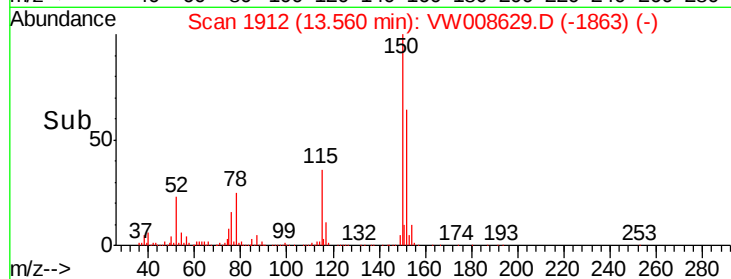
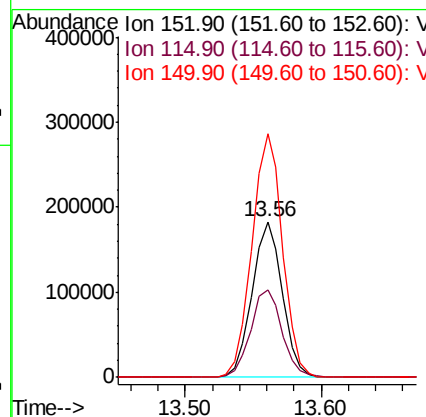
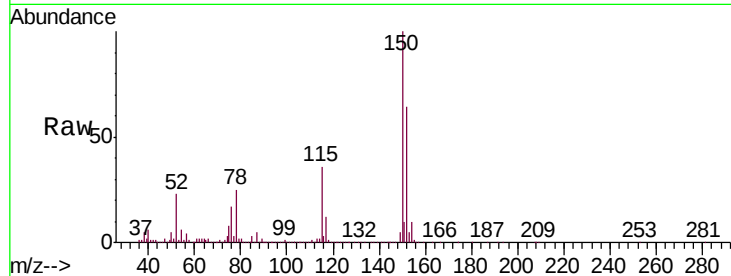


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008629.D
Acq: 12 Feb 2019 18:05

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

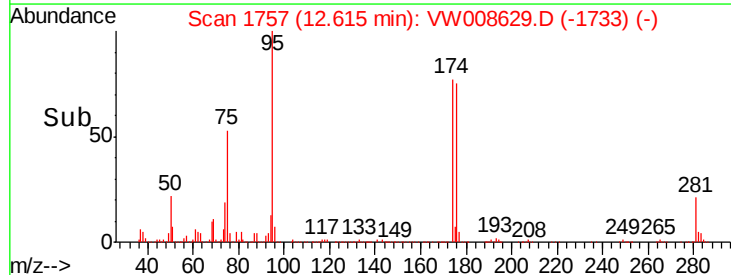
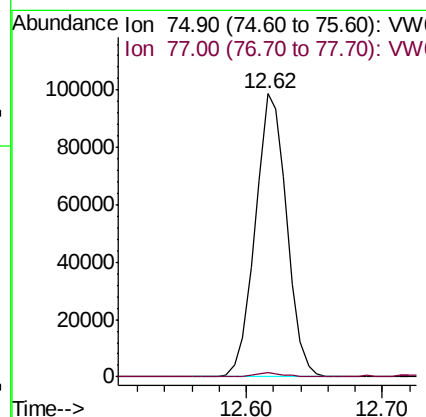
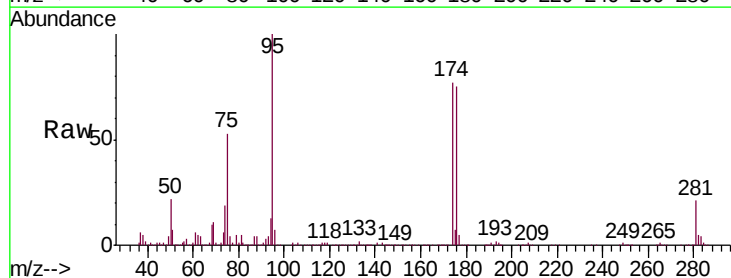
Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	29.9	89.7
150	158.0	0.0	351.4

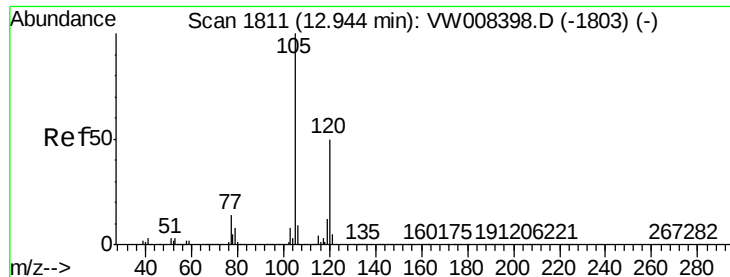


#76

1,2,3-Trichloropropane
Concen: 64.583 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW008629.D
Acq: 12 Feb 2019 18:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	180.7	542.1#

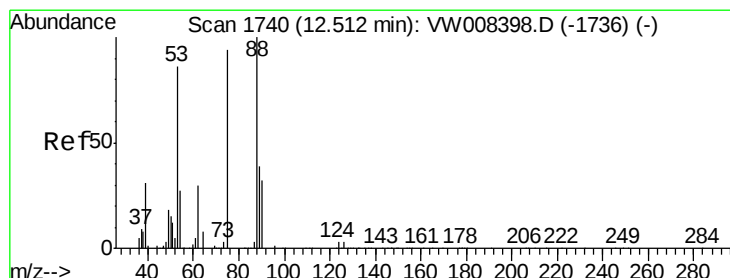
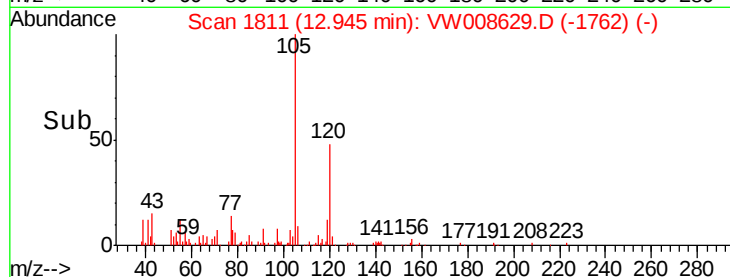
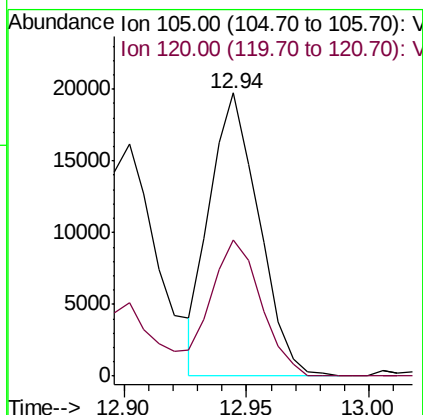
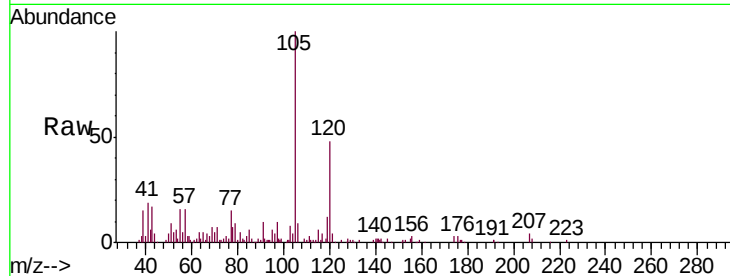




#80
 1,3,5-Trimethylbenzene
 Concen: 1.553 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008629.D
 Acq: 12 Feb 2019 18:05

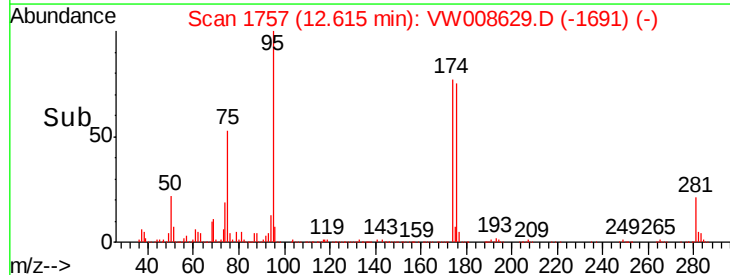
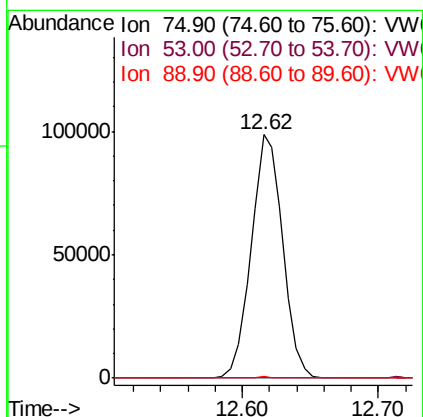
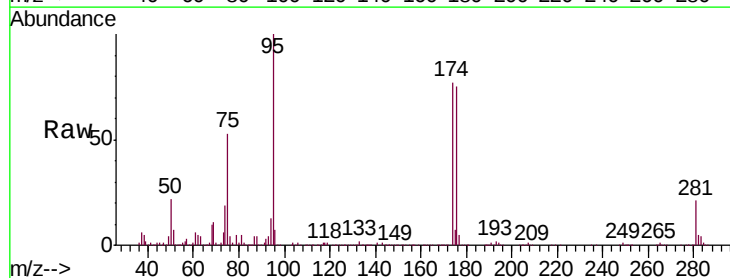
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-02-021119-F

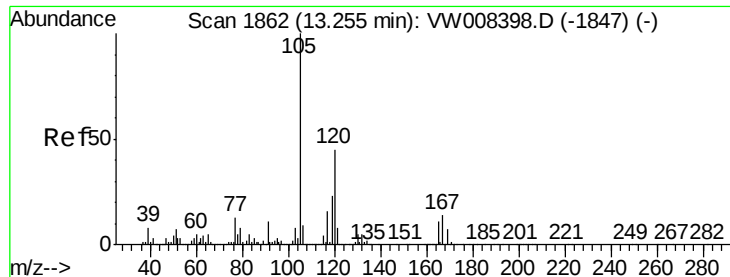
Tgt Ion: 105 Resp: 27525
 Ion Ratio Lower Upper
 105 100
 120 50.7 24.6 73.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.557 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW008629.D
 Acq: 12 Feb 2019 18:05

Tgt Ion: 75 Resp: 159683
 Ion Ratio Lower Upper
 75 100
 53 0.3 76.0 114.0#
 89 0.3 35.4 53.0#





#84

1,2,4-Trimethylbenzene

Concen: 3.306 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW008629.D

Acq: 12 Feb 2019 18:05

Instrument :

MSVOA_W

ClientSampleId :

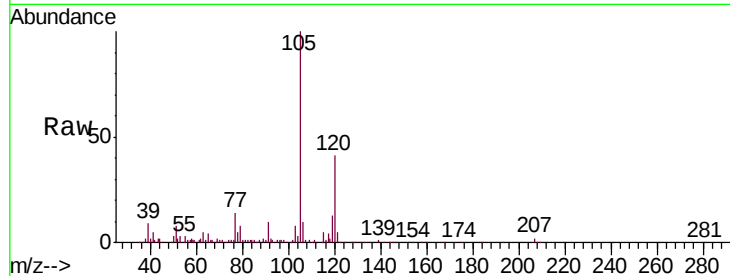
JC-02-021119-F

Tgt Ion:105 Resp: 59539

Ion Ratio Lower Upper

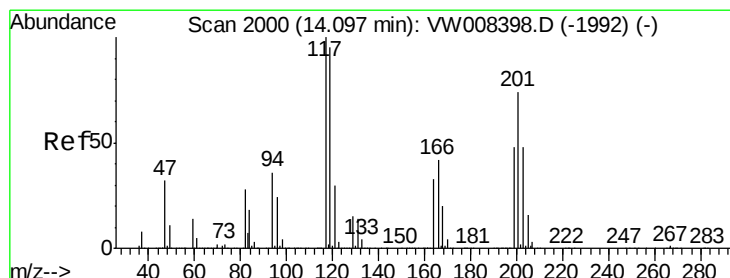
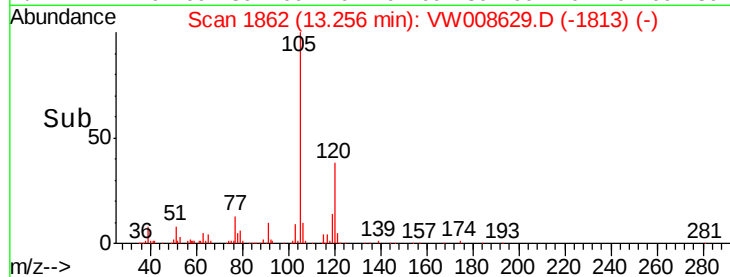
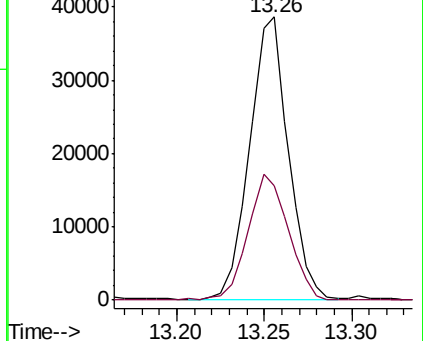
105 100

120 46.6 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#90

Hexachloroethane

Concen: 1.962 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW008629.D

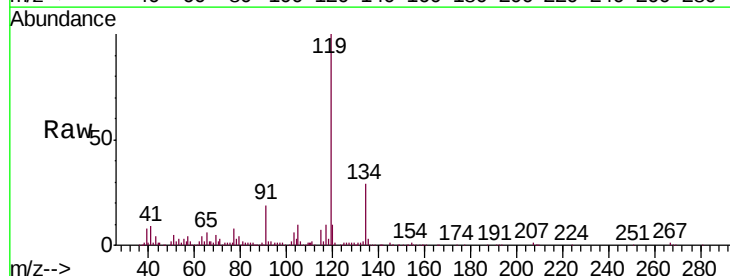
Acq: 12 Feb 2019 18:05

Tgt Ion:117 Resp: 7571

Ion Ratio Lower Upper

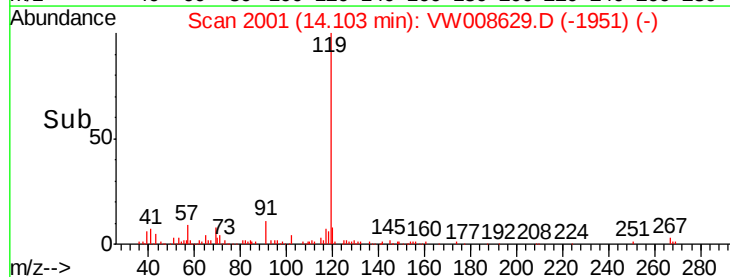
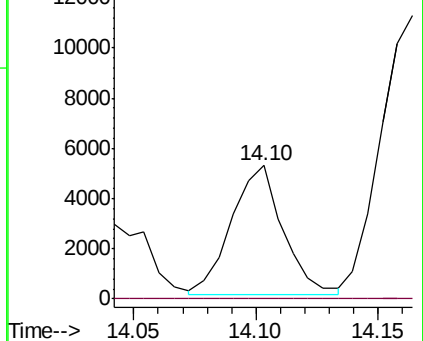
117 100

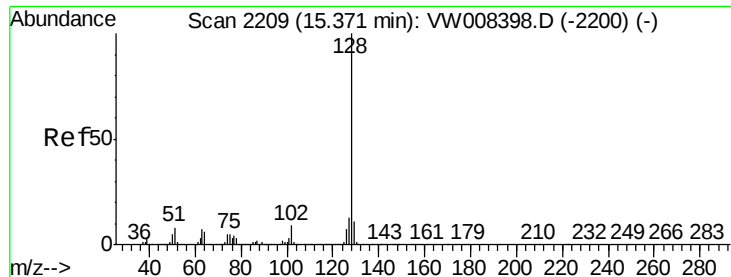
201 0.0 39.1 117.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#95

Naphthalene

Concen: 2.732 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008629.D

Acq: 12 Feb 2019 18:05

Instrument :

MSVOA_W

ClientSampleId :

JC-02-021119-F

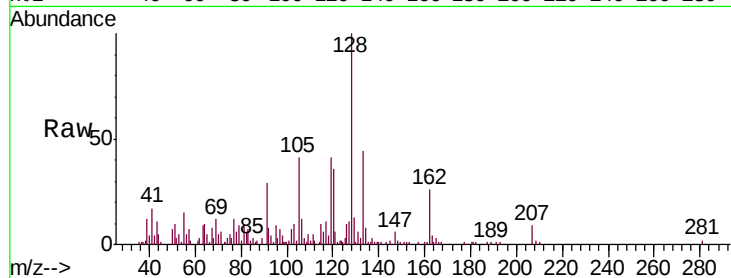
Tgt Ion:128 Resp: 28326

Ion Ratio Lower Upper

128 100

127 8.9 10.6 15.8#

129 18.6 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

