

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070219\
 Data File : VX010622.D
 Acq On : 02 Jul 2019 17:11
 Operator : JC/SP
 Sample : K3636-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP19-JMW0961-9001

Quant Time: Jul 03 01:57:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	233084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	365847	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	333255	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	155364	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	114913	52.58	ug/l	0.00
Spiked Amount			Recovery	=	105.16%	
35) Dibromofluoromethane	5.50	113	110626	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
50) Toluene-d8	8.71	98	428630	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
62) 4-Bromofluorobenzene	11.13	95	145405	47.03	ug/l	0.00
Spiked Amount			Recovery	=	94.06%	

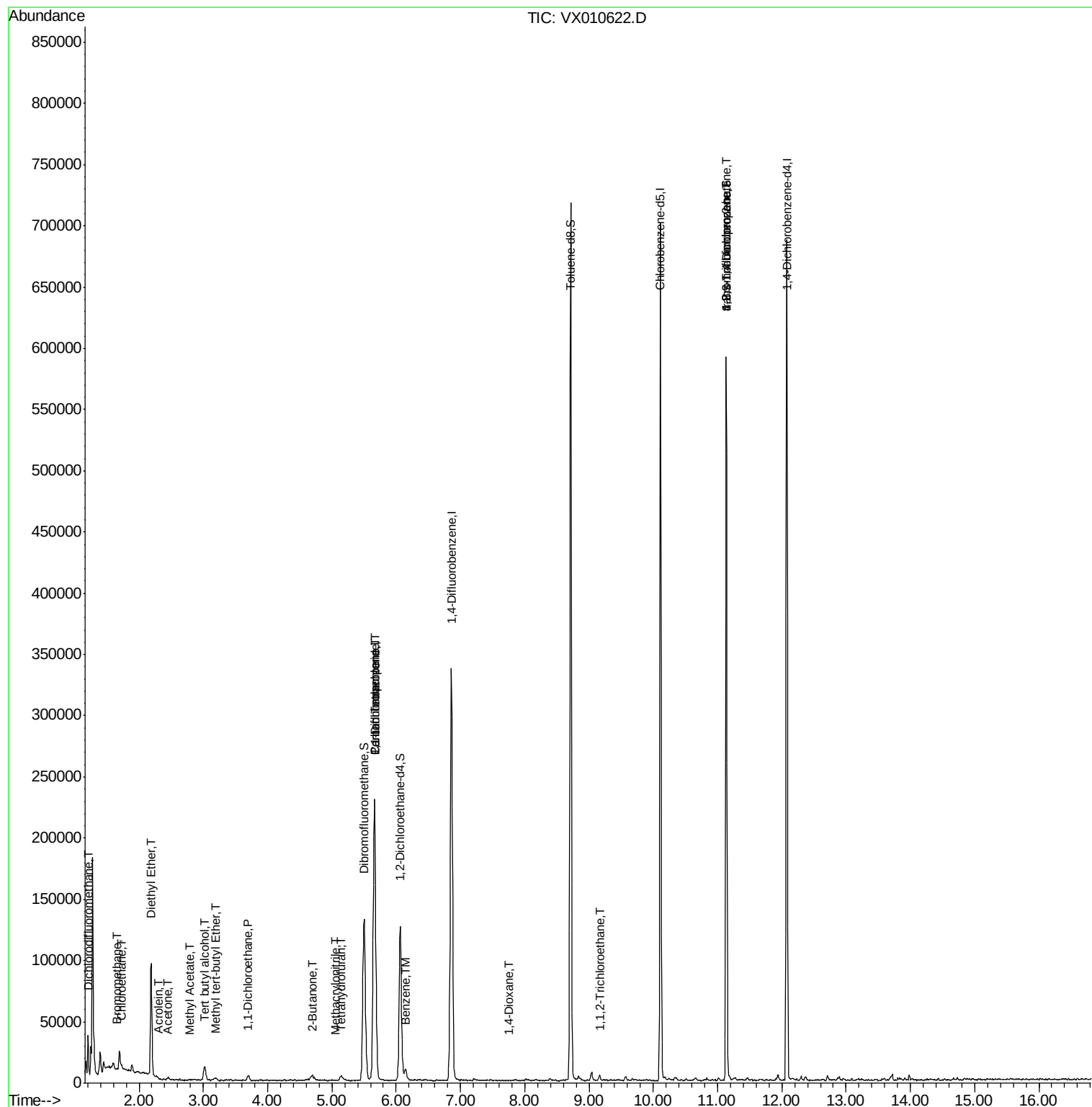
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	936	0.578	ug/l	90
5) Bromomethane	1.65	94	335	0.333	ug/l #	24
6) Chloroethane	1.73	64	2375	1.948	ug/l #	74
8) Diethyl Ether	2.19	74	31135	26.499	ug/l	99
11) Tert butyl alcohol	3.02	59	7721	13.502	ug/l #	82
13) Acrolein	2.29	56	164	0.432	ug/l #	78
16) Acetone	2.44	43	954	0.871	ug/l #	81
18) Methyl Acetate	2.78	43	512	0.235	ug/l #	57
19) Methyl tert-butyl Ether	3.20	73	1685	0.265	ug/l #	66
24) 1,1-Dichloroethane	3.69	63	4415	1.274	ug/l	98
25) 2-Butanone	4.68	43	381	0.237	ug/l	95
29) Tetrahydrofuran	5.14	42	4107	4.127	ug/l	95
36) 1,1-Dichloropropene	5.67	75	14732	5.067	ug/l #	48
38) Carbon Tetrachloride	5.67	117	21668	6.883	ug/l #	16
40) Benzene	6.14	78	10187	1.125	ug/l	99
41) Methacrylonitrile	5.05	41	336	0.205	ug/l #	48
49) 1,4-Dioxane	7.75	88	24	0.362	ug/l #	1
55) 1,1,2-Trichloroethane	9.16	97	1464	0.595	ug/l #	20
76) 1,2,3-Trichloropropane	11.13	75	70408	24.869	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	70408	58.017	ug/l #	16

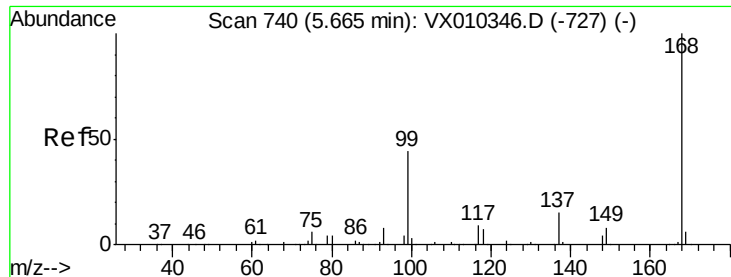
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010622.D

Acq: 02 Jul 2019 17:11

Instrument :

MSVOA_X

ClientSampleId :

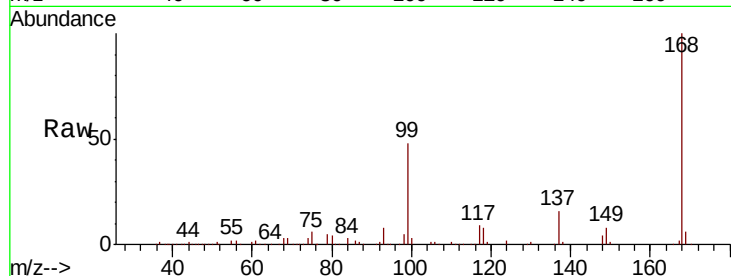
SP19-JMW0961-9001

Tot Ion:168 Resp: 233084

Ion Ratio Lower Upper

168 100

99 47.6 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

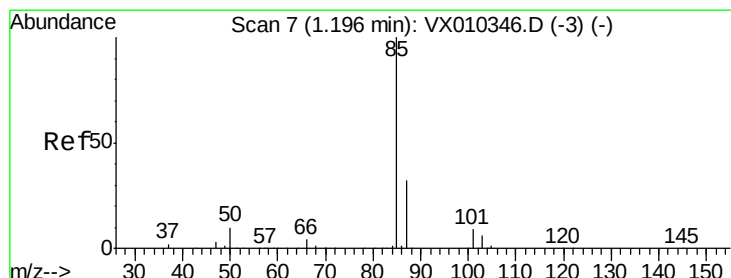
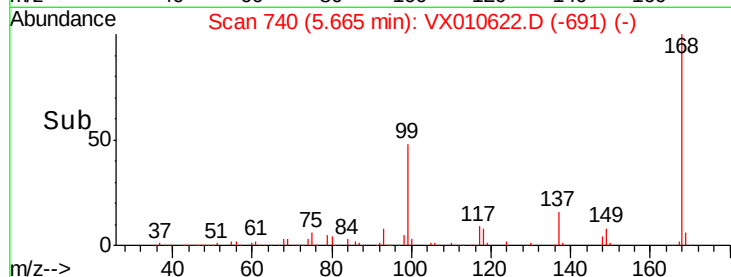
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.578 ug/l

RT: 1.21 min Scan# 9

Delta R.T. 0.01 min

Lab File: VX010622.D

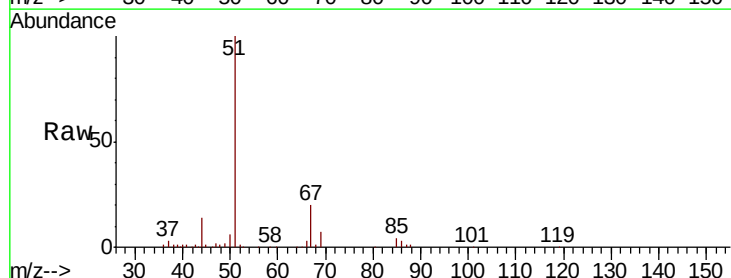
Acq: 02 Jul 2019 17:11

Tgt Ion: 85 Resp: 936

Ion Ratio Lower Upper

85 100

87 27.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.21

800

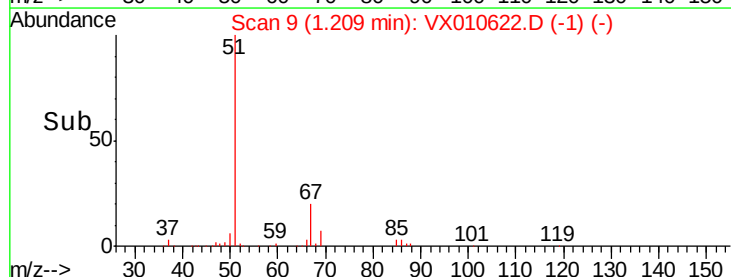
600

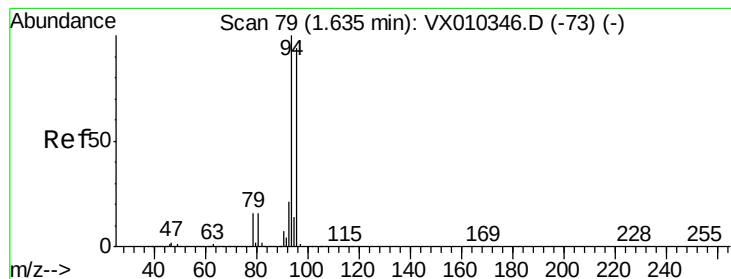
400

200

0

Time--> 1.15 1.20 1.25





#5

Bromomethane

Concen: 0.333 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010622.D

Acq: 02 Jul 2019 17:11

Instrument :

MSVOA_X

ClientSampleId :

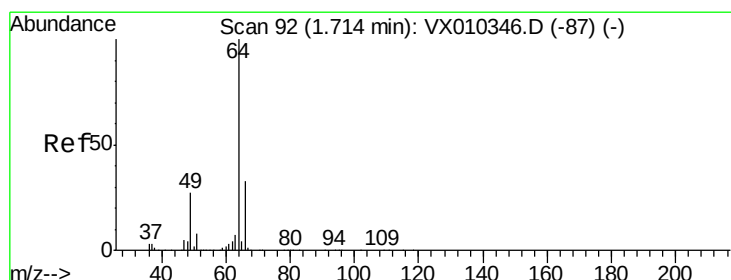
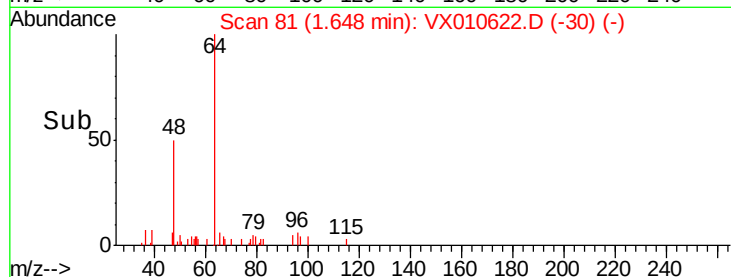
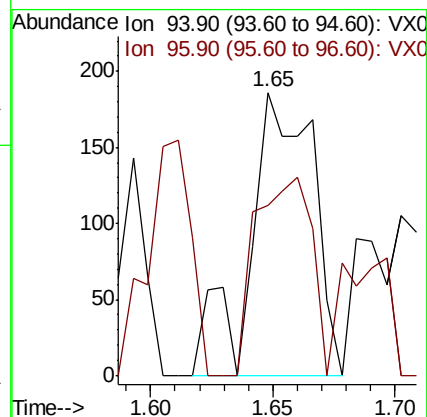
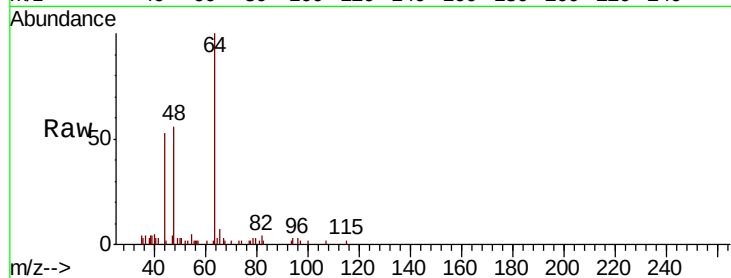
SP19-JMW0961-9001

Tot Ion: 94 Resp: 335

Ion Ratio Lower Upper

94 100

96 20.4 75.5 113.3#



#6

Chloroethane

Concen: 1.948 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX010622.D

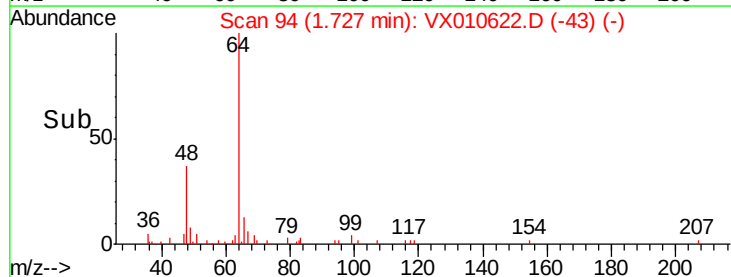
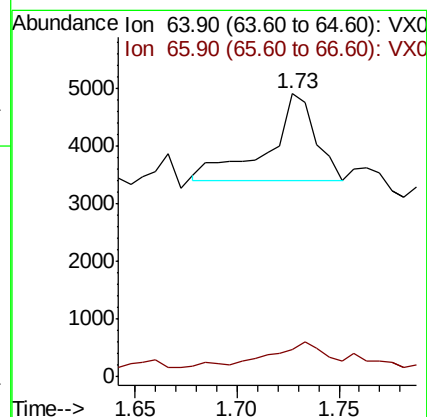
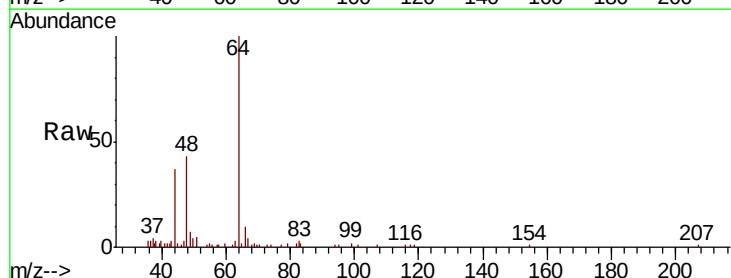
Acq: 02 Jul 2019 17:11

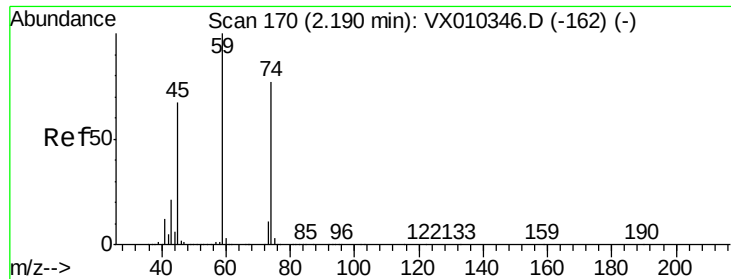
Tgt Ion: 64 Resp: 2375

Ion Ratio Lower Upper

64 100

66 18.4 26.6 40.0#





#8

Diethyl Ether

Concen: 26.499 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.00 min

Lab File: VX010622.D

Acq: 02 Jul 2019 17:11

Instrument :

MSVOA_X

ClientSampleId :

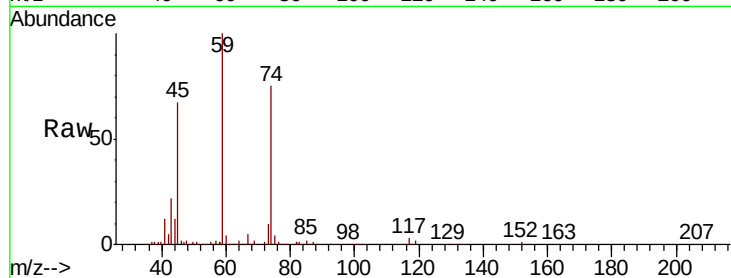
SP19-JMW0961-9001

Tot Ion: 74 Resp: 31135

Ion Ratio Lower Upper

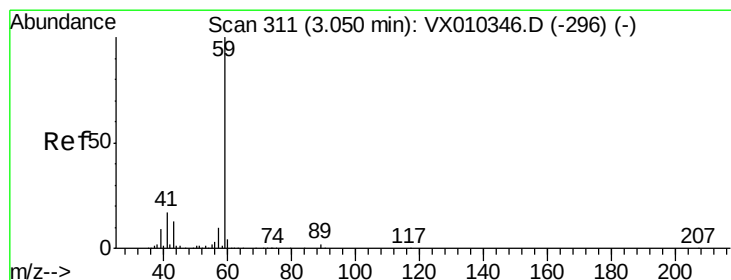
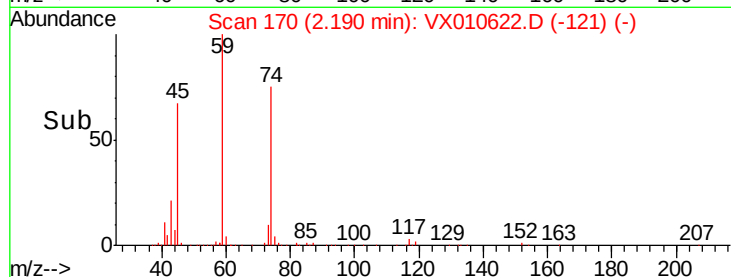
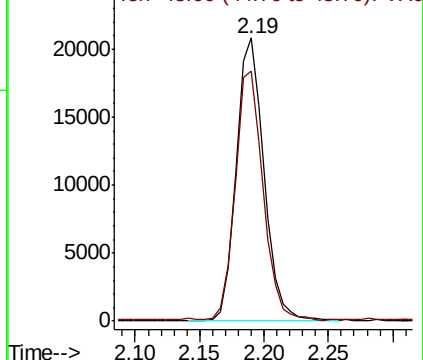
74 100

45 88.3 44.8 134.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#11

Tert butyl alcohol

Concen: 13.502 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX010622.D

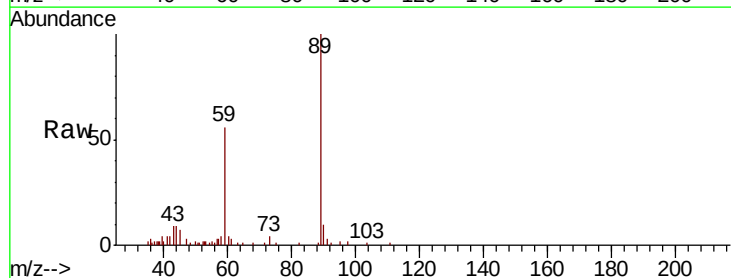
Acq: 02 Jul 2019 17:11

Tgt Ion: 59 Resp: 7721

Ion Ratio Lower Upper

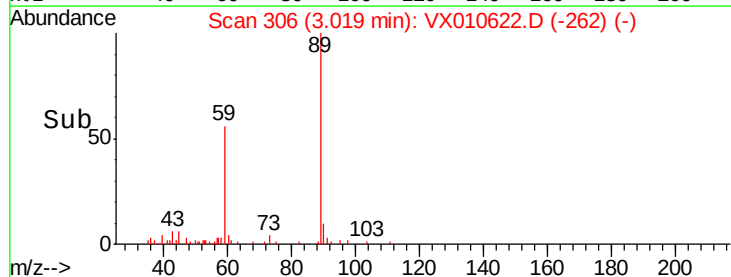
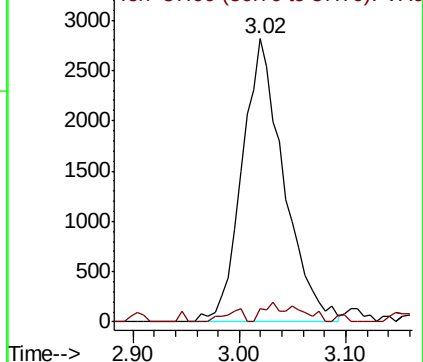
59 100

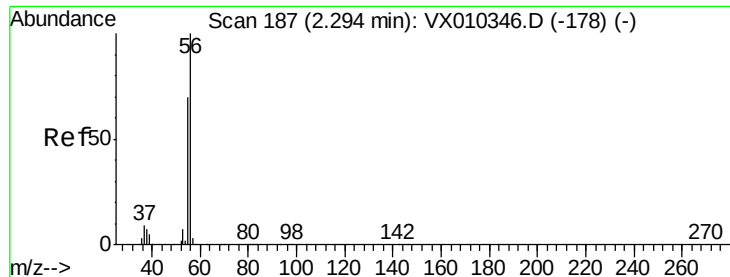
57 3.1 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.432 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010622.D

Acq: 02 Jul 2019 17:11

Instrument :

MSVOA_X

ClientSampleId :

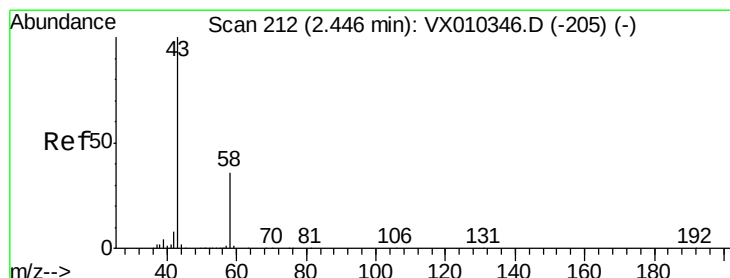
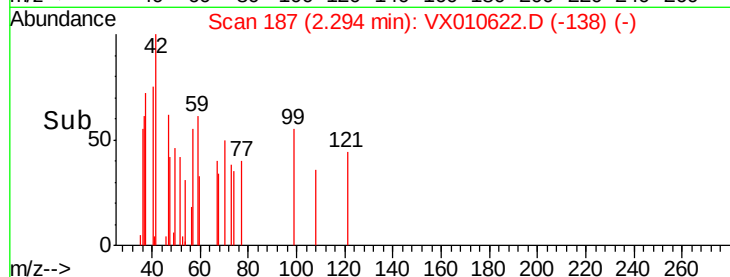
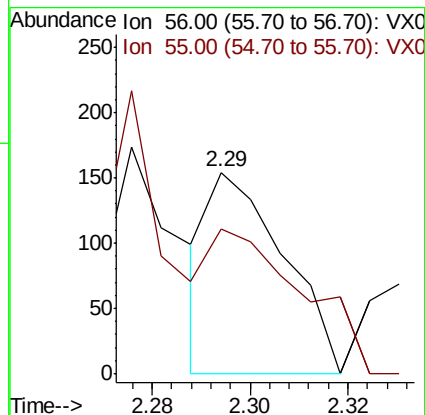
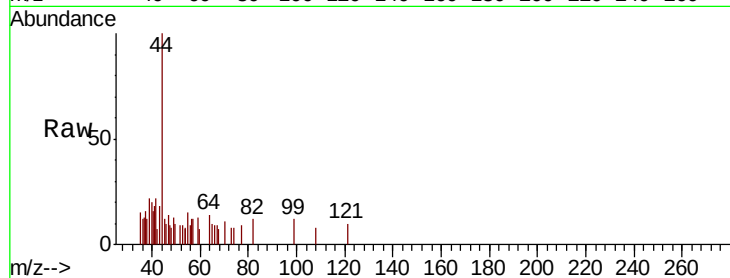
SP19-JMW0961-9001

Tot Ion: 56 Resp: 164

Ion Ratio Lower Upper

56 100

55 89.6 56.9 85.3#



#16

Acetone

Concen: 0.871 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010622.D

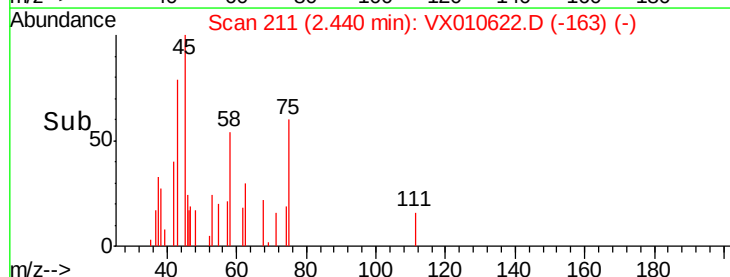
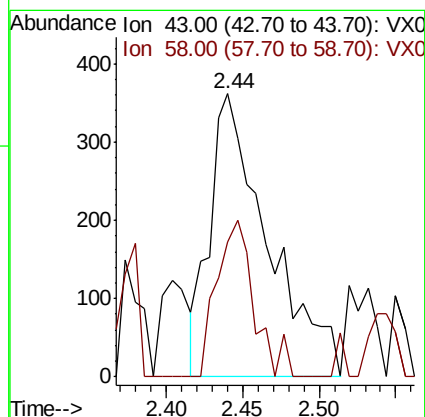
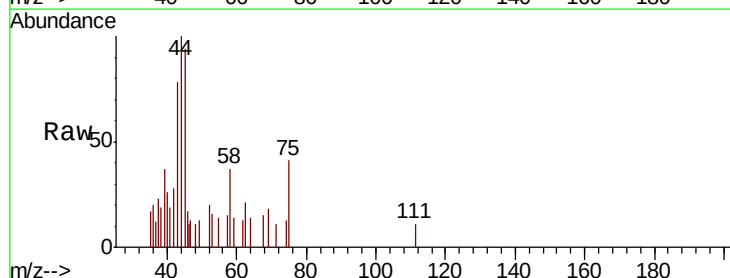
Acq: 02 Jul 2019 17:11

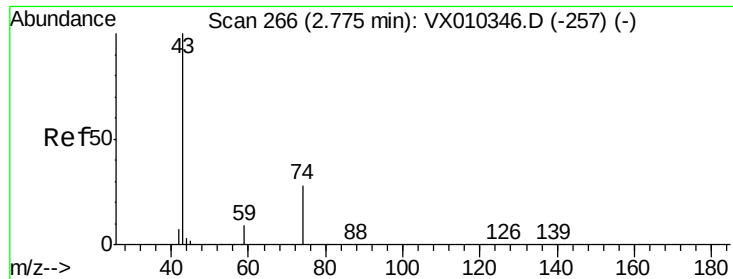
Tgt Ion: 43 Resp: 954

Ion Ratio Lower Upper

43 100

58 47.5 28.9 43.3#

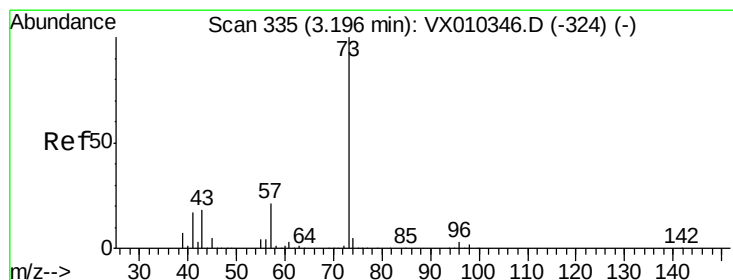
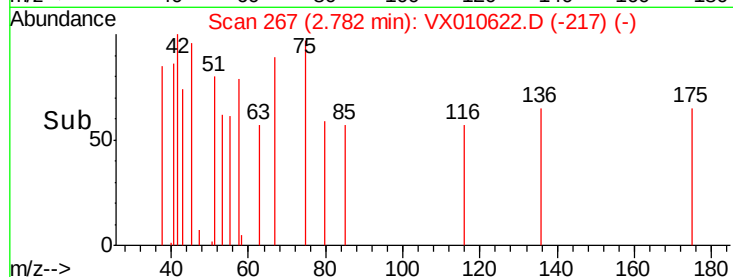
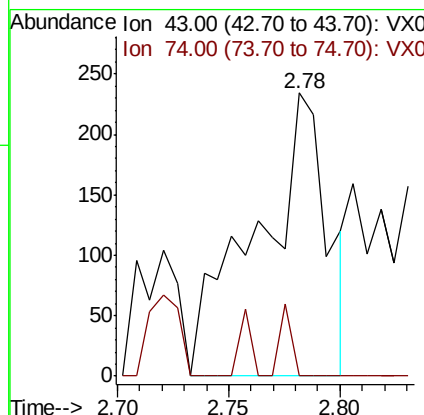
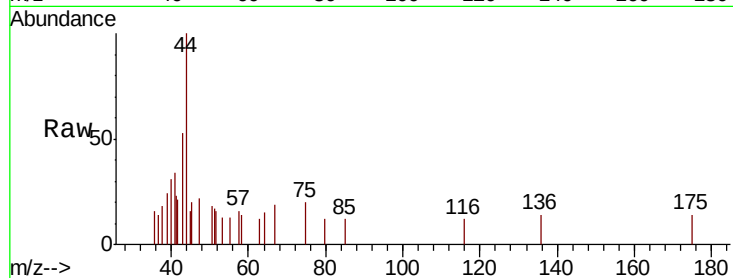




#18
Methyl Acetate
Concen: 0.235 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX010622.D
Acq: 02 Jul 2019 17:11

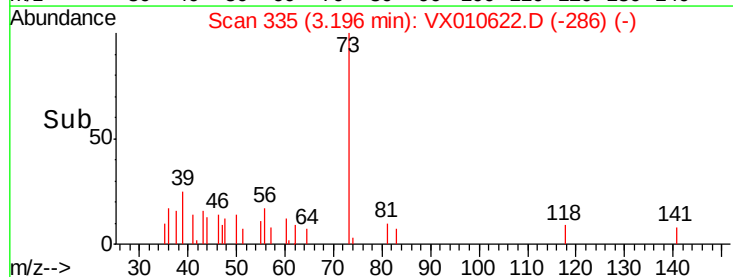
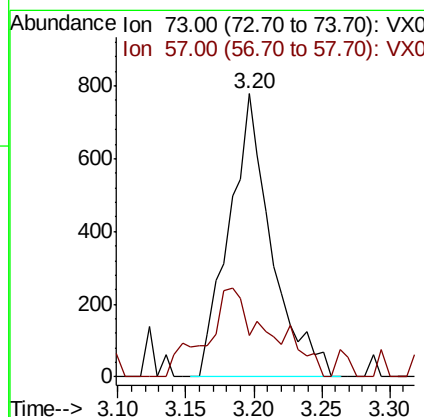
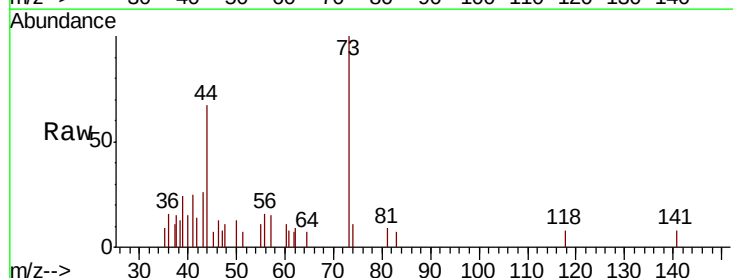
Instrument :
MSVOA_X
ClientSampleId :
SP19-JMW0961-9001

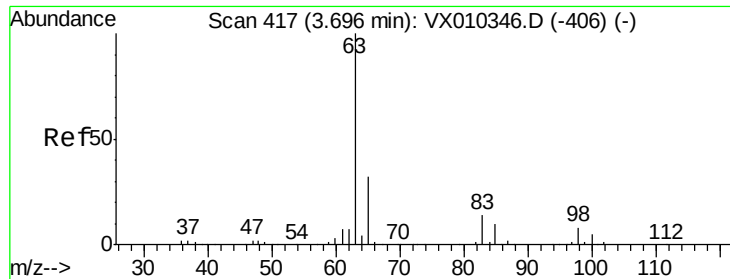
Tot Ion: 43 Resp: 512
Ion Ratio Lower Upper
43 100
74 4.3 21.3 31.9#



#19
Methyl tert-butyl Ether
Concen: 0.265 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010622.D
Acq: 02 Jul 2019 17:11

Tgt Ion: 73 Resp: 1685
Ion Ratio Lower Upper
73 100
57 4.9 16.4 24.6#

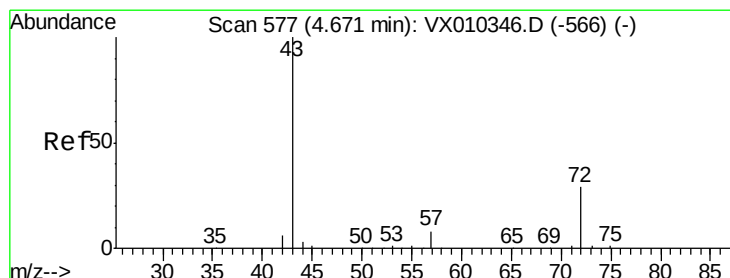
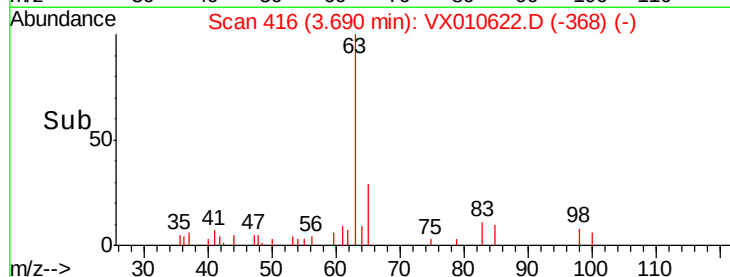
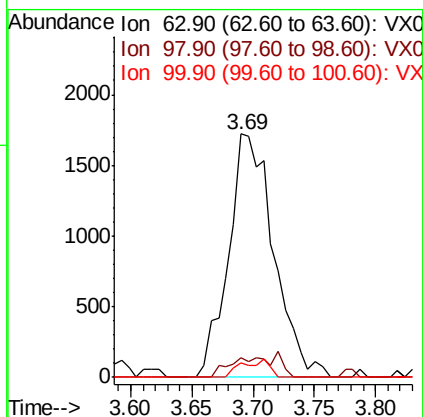
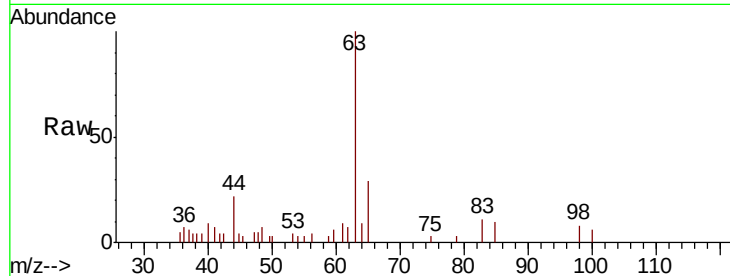




#24
 1,1-Dichloroethane
 Concen: 1.274 ug/l
 RT: 3.69 min Scan# 416
 Delta R.T. -0.01 min
 Lab File: VX010622.D
 Acq: 02 Jul 2019 17:11

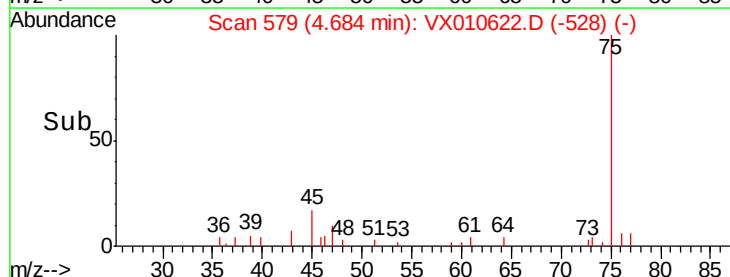
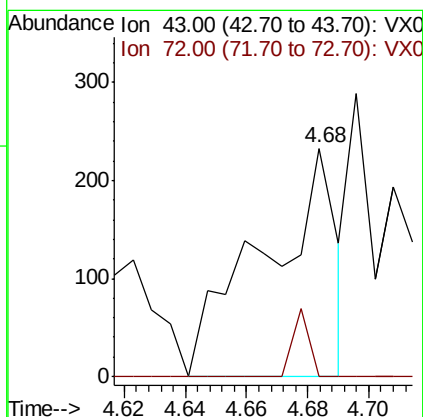
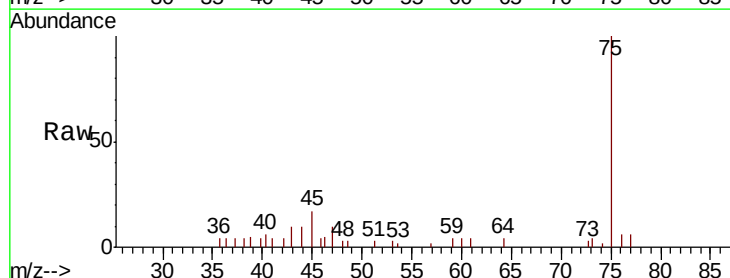
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 MSVOA_X
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 SP19-JMW0961-9001

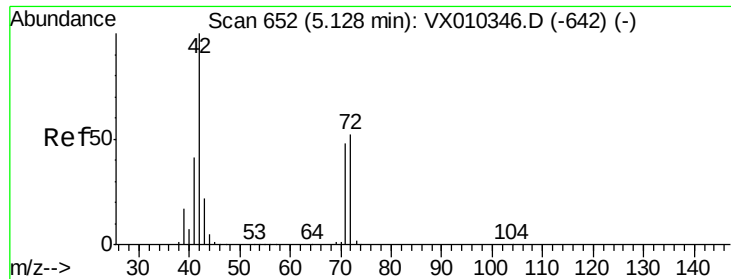
Tot Ion	Ratio	Lower	Upper
63	100		
98	8.2	3.9	11.7
100	5.7	2.4	7.1



#25
 2-Butanone
 Concen: 0.237 ug/l
 RT: 4.68 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VX010622.D
 Acq: 02 Jul 2019 17:11

Tgt Ion	Ratio	Lower	Upper
43	100		
72	31.8	23.3	34.9





#29

Tetrahydrofuran

Concen: 4.127 ug/l

RT: 5.14 min Scan# 654

Delta R.T. 0.01 min

Lab File: VX010622.D

Acq: 02 Jul 2019 17:11

Instrument :

MSVOA_X

ClientSampleId :

SP19-JMW0961-9001

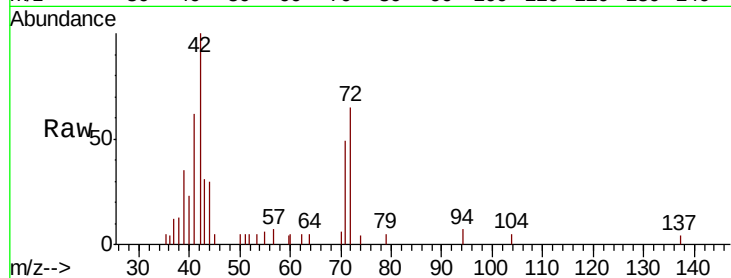
Tot Ion: 42 Resp: 4107

Ion Ratio Lower Upper

42 100

72 54.6 40.6 60.8

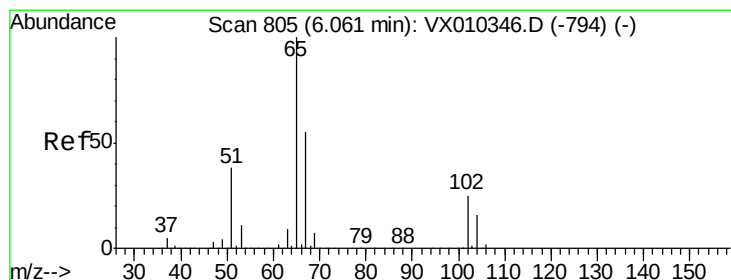
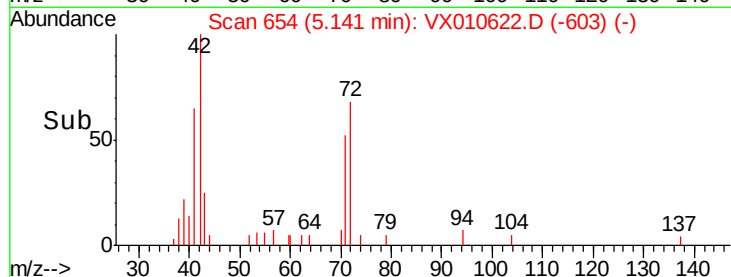
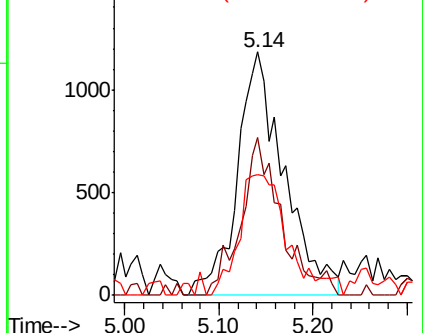
71 49.6 37.8 56.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.582 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX010622.D

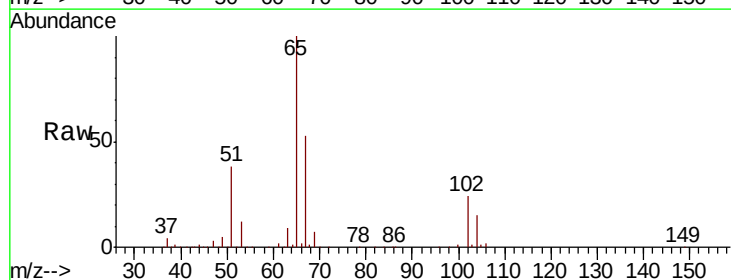
Acq: 02 Jul 2019 17:11

Tgt Ion: 65 Resp: 114913

Ion Ratio Lower Upper

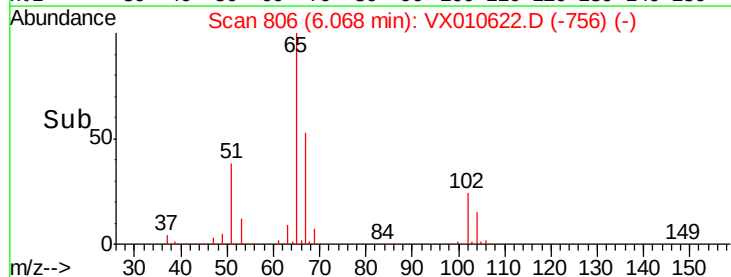
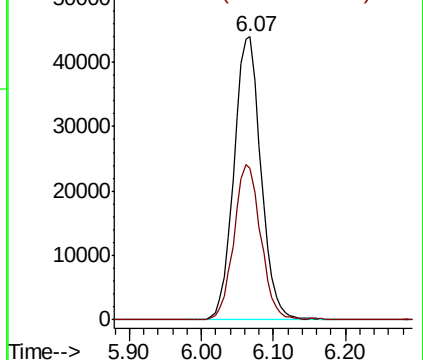
65 100

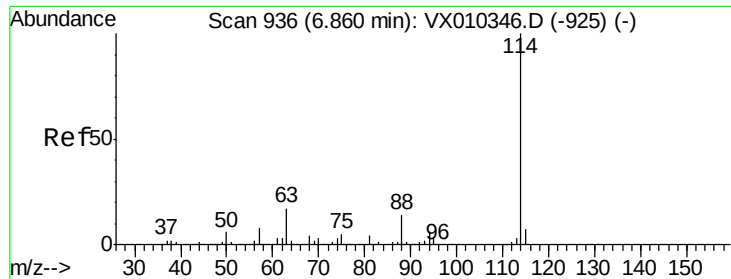
67 54.5 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010622.D

Acq: 02 Jul 2019 17:11

Instrument :

MSVOA_X

ClientSampleId :

SP19-JMW0961-9001

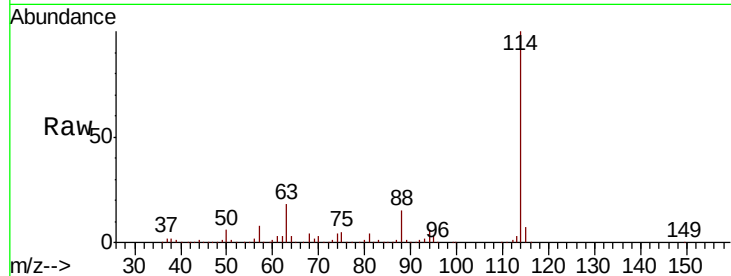
Tot Ion:114 Resp: 365847

Ion Ratio Lower Upper

114 100

63 17.6 0.0 33.8

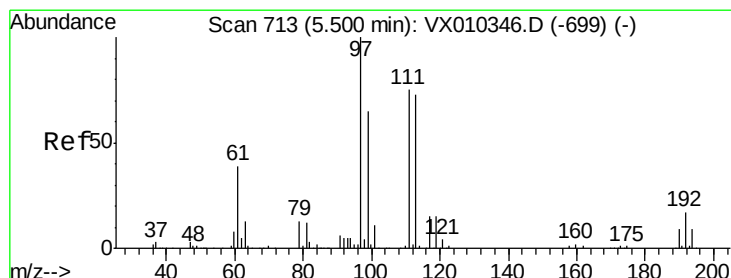
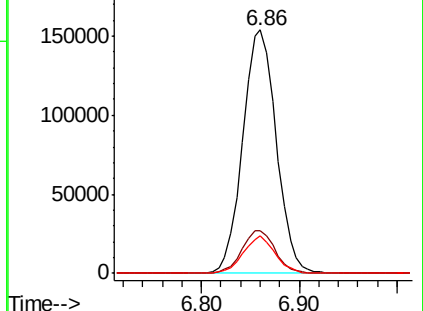
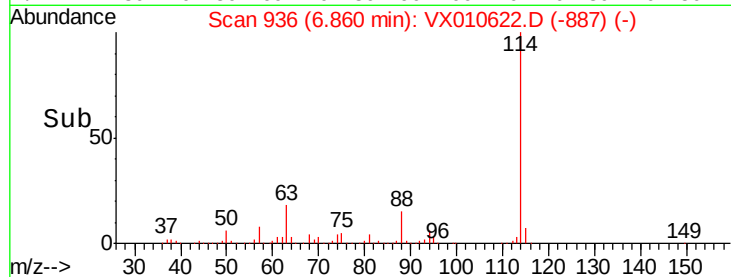
88 15.3 0.0 27.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.422 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010622.D

Acq: 02 Jul 2019 17:11

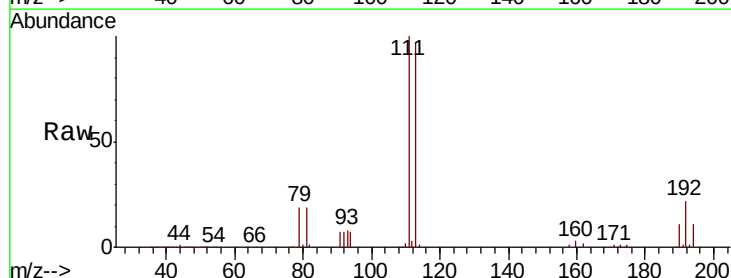
Tgt Ion:113 Resp: 110626

Ion Ratio Lower Upper

113 100

111 104.0 81.2 121.8

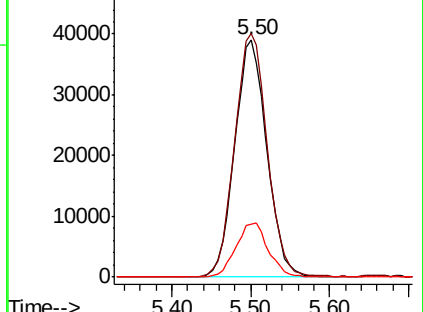
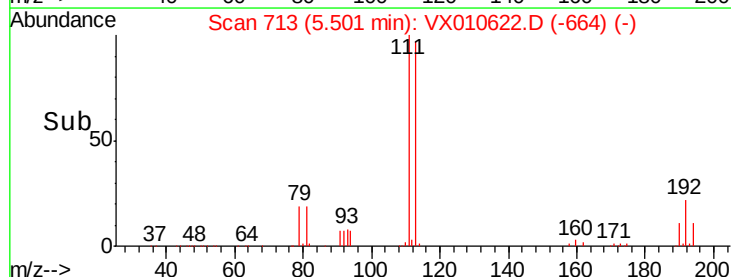
192 23.0 18.6 27.8

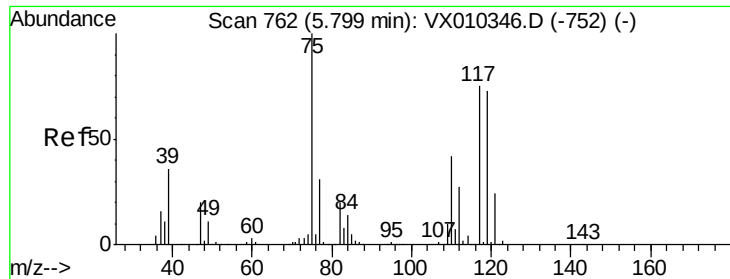


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

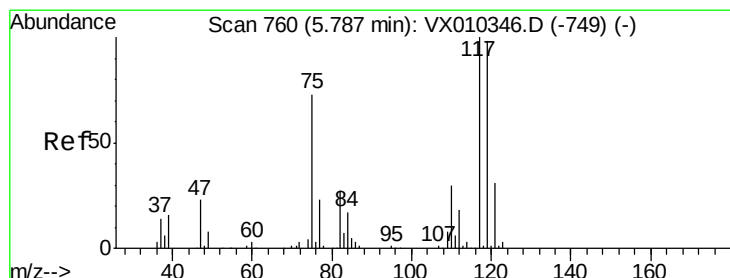
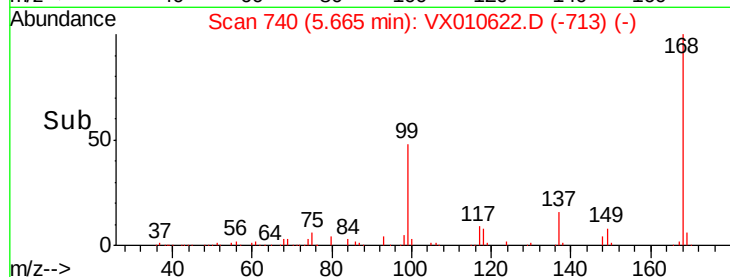
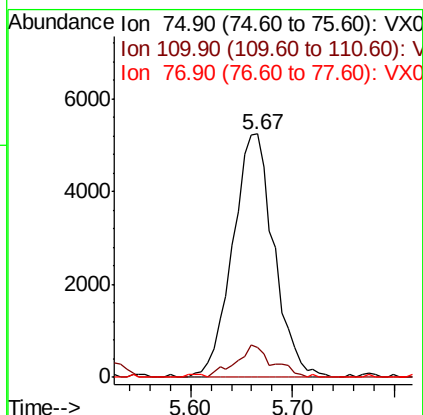
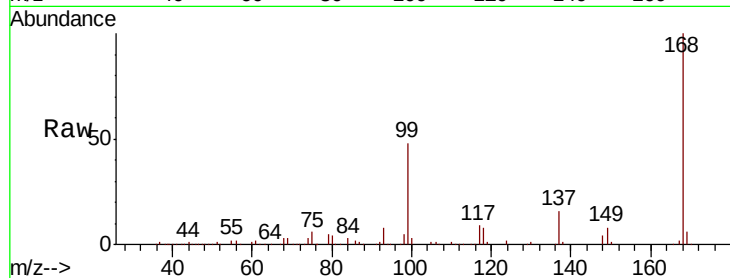




#36
 1,1-Dichloropropene
 Concen: 5.067 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010622.D
 Acq: 02 Jul 2019 17:11

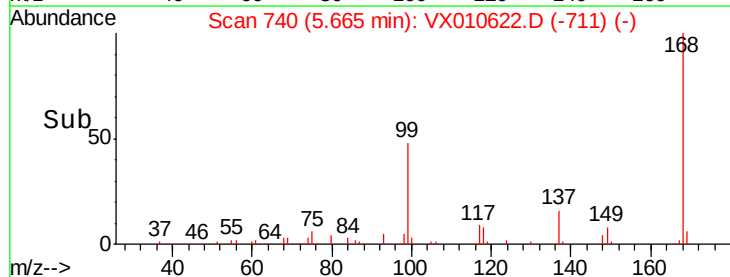
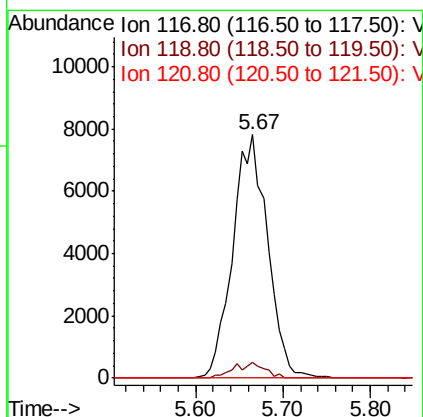
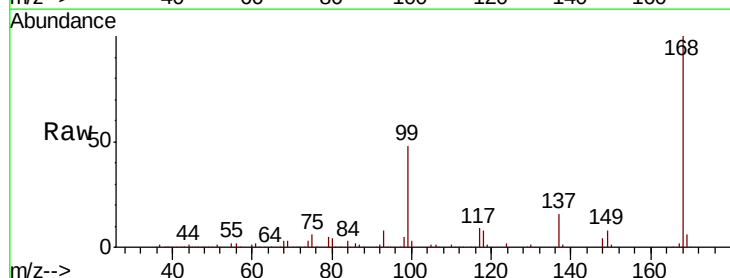
Instrument :
 MSVOA_X
 ClientSampleId :
 SP19-JMW0961-9001

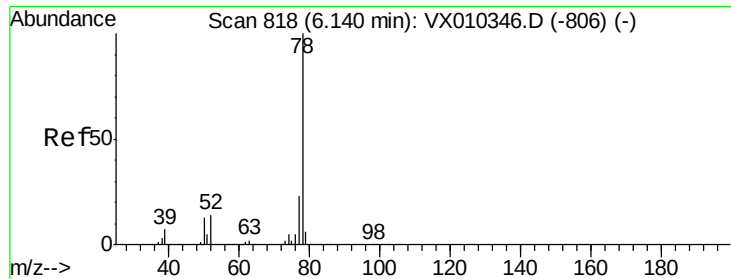
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.7	20.8	62.2#
77	0.0	25.4	38.0#



#38
 Carbon Tetrachloride
 Concen: 6.883 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX010622.D
 Acq: 02 Jul 2019 17:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.3	78.2	117.4#
121	0.0	24.7	37.1#





#40

Benzene

Concen: 1.125 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX010622.D

Acq: 02 Jul 2019 17:11

Instrument :

MSVOA_X

ClientSampleId :

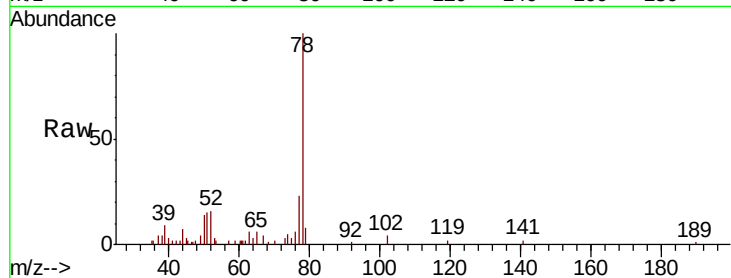
SP19-JMW0961-9001

Tot Ion: 78 Resp: 10187

Ion Ratio Lower Upper

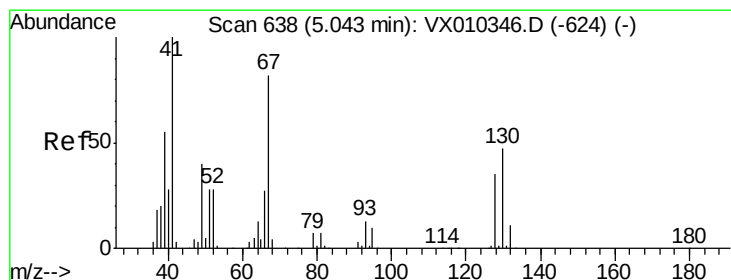
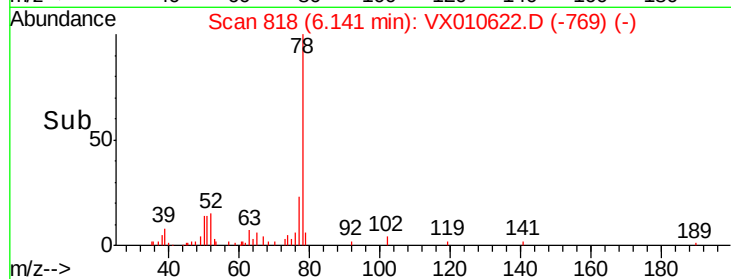
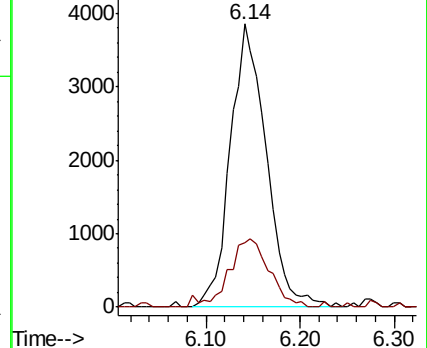
78 100

77 22.8 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#41

Methacrylonitrile

Concen: 0.205 ug/l

RT: 5.05 min Scan# 639

Delta R.T. 0.01 min

Lab File: VX010622.D

Acq: 02 Jul 2019 17:11

Tgt Ion: 41 Resp: 336

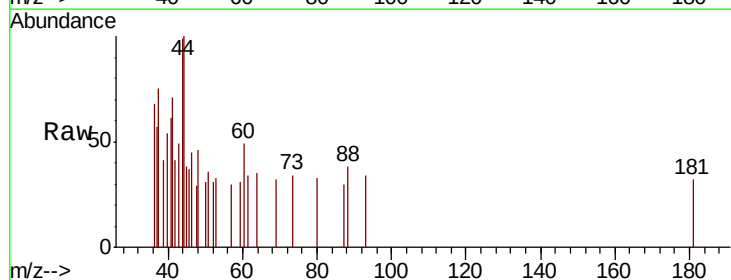
Ion Ratio Lower Upper

41 100

39 60.1 43.8 65.8

67 11.3 66.6 100.0#

52 0.0 24.5 36.7#

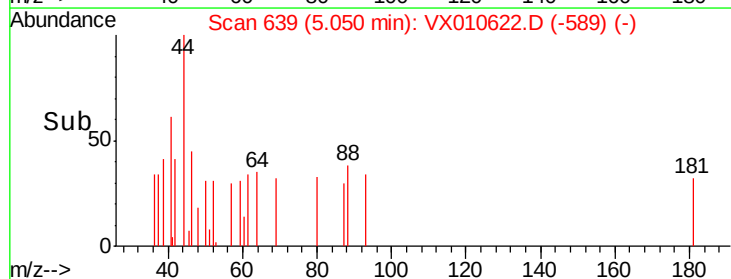
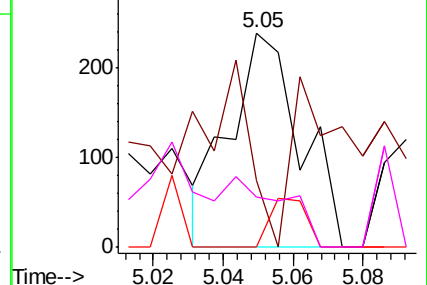


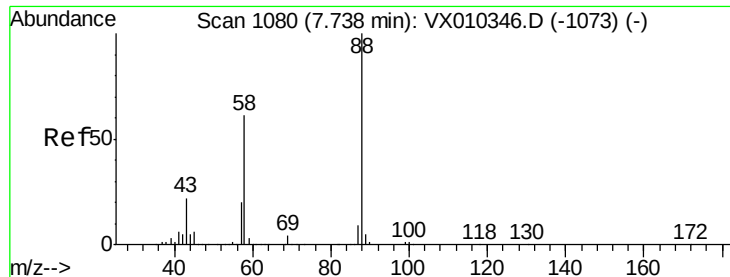
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

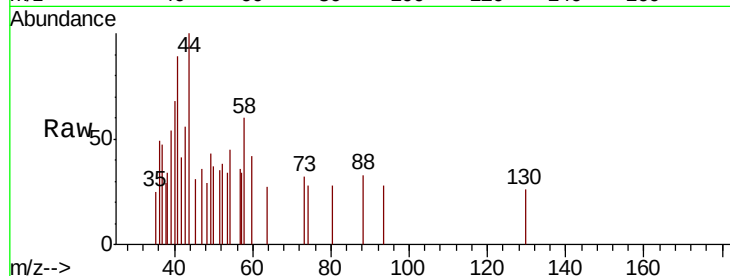




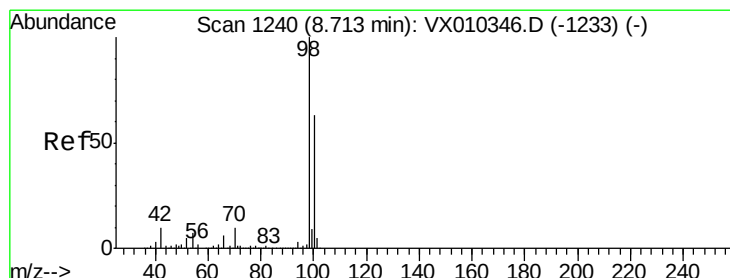
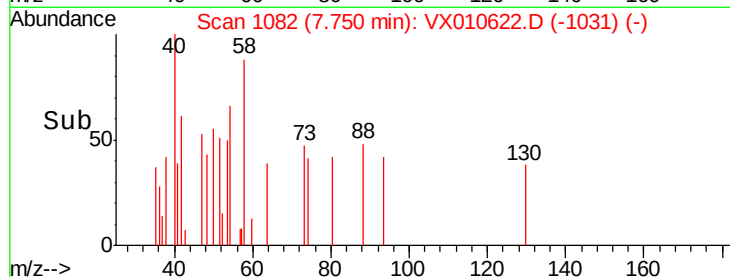
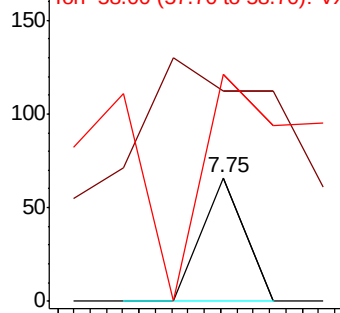
#49
1,4-Dioxane
Concen: 0.362 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.01 min
Lab File: VX010622.D
Acq: 02 Jul 2019 17:11

Instrument :
MSVOA_X
ClientSampleId :
SP19-JMW0961-9001

Tot Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.2#
58 566.7 49.5 74.3#

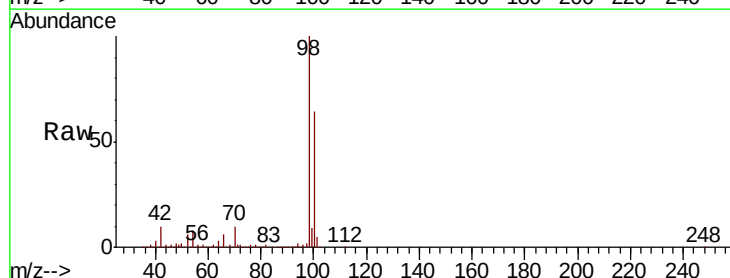


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

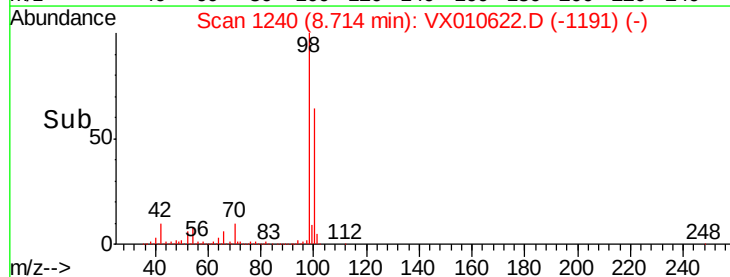
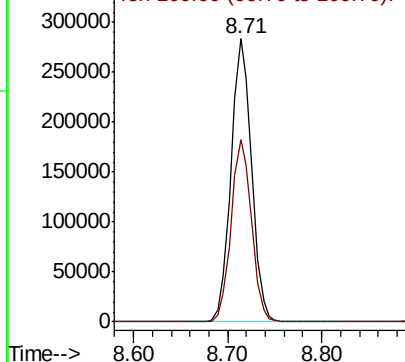


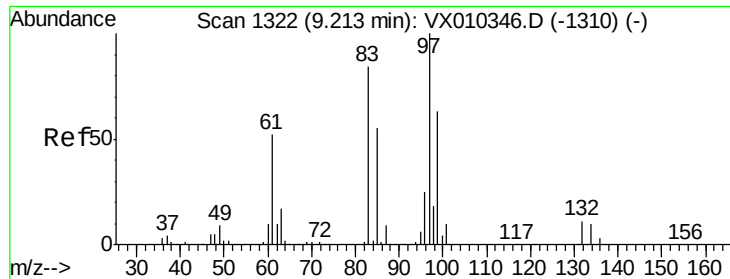
#50
Toluene-d8
Concen: 50.052 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010622.D
Acq: 02 Jul 2019 17:11

Tgt Ion: 98 Resp: 428630
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#55

1,1,2-Trichloroethane

Concen: 0.595 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX010622.D

Acq: 02 Jul 2019 17:11

Instrument :

MSVOA_X

ClientSampleId :

SP19-JMW0961-9001

Tot Ion: 97 Resp: 1464

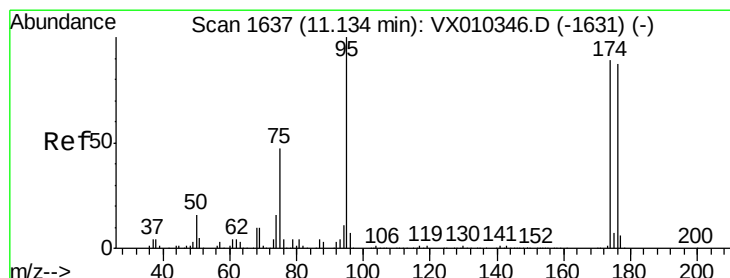
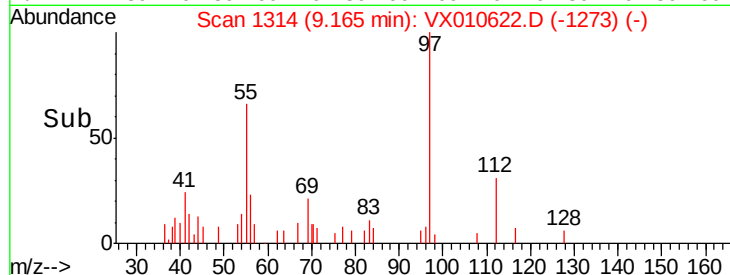
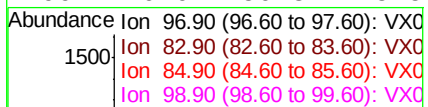
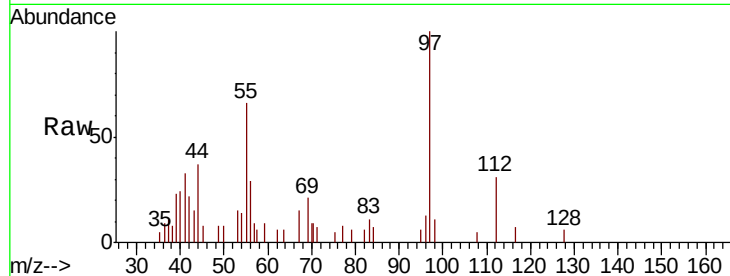
Ion Ratio Lower Upper

97 100

83 10.9 67.4 101.0#

85 0.0 43.8 65.8#

99 0.0 50.3 75.5#



#62

4-Bromofluorobenzene

Concen: 47.031 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010622.D

Acq: 02 Jul 2019 17:11

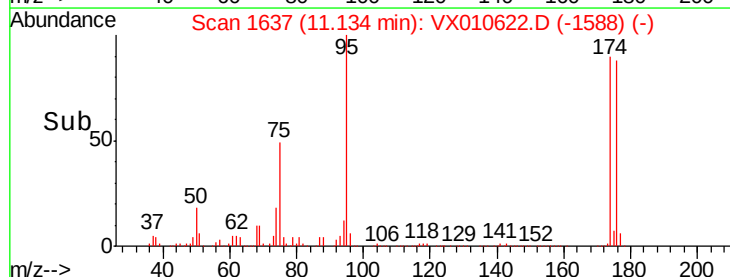
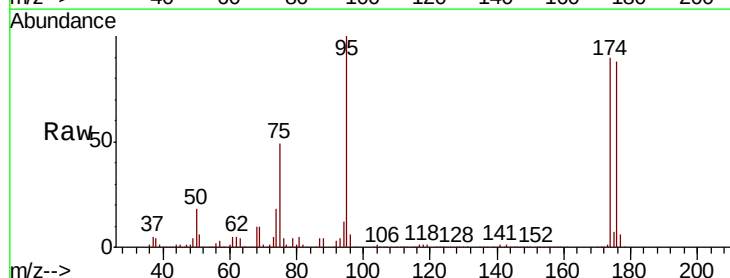
Tgt Ion: 95 Resp: 145405

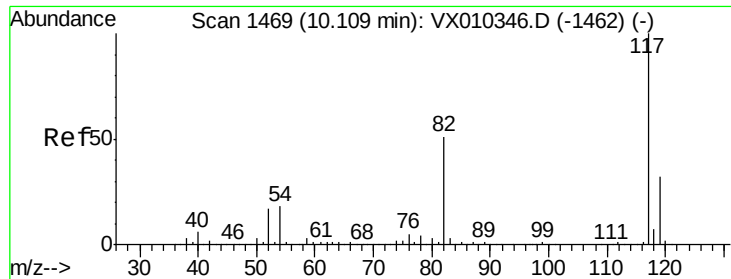
Ion Ratio Lower Upper

95 100

174 93.2 0.0 187.6

176 92.7 0.0 184.0

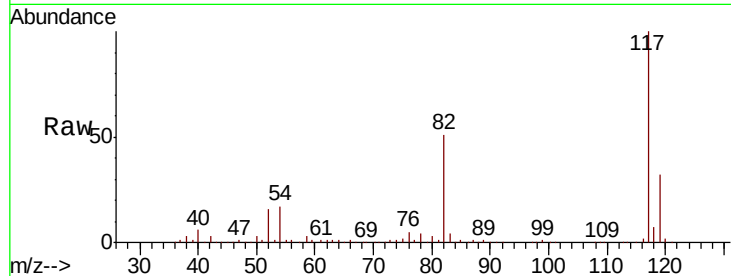




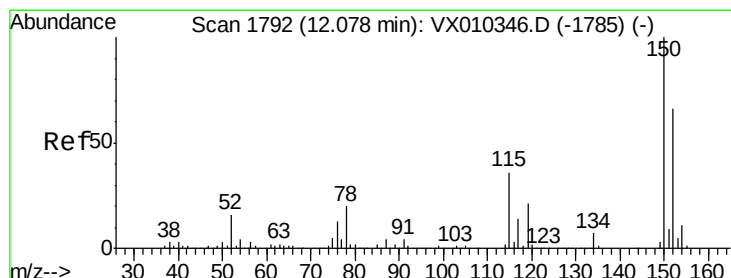
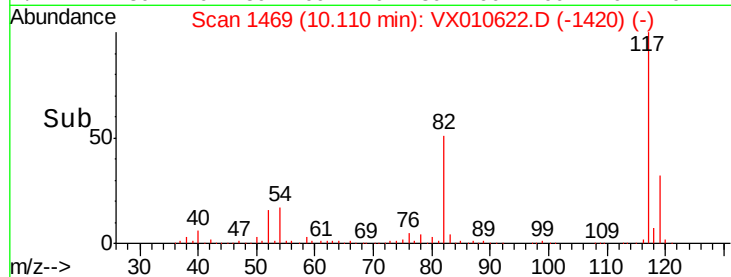
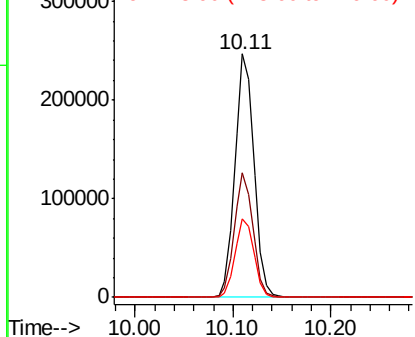
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010622.D
Acq: 02 Jul 2019 17:11

Instrument :
MSVOA_X
ClientSampleId :
SP19-JMW0961-9001

Tot Ion:117 Resp: 333255
Ion Ratio Lower Upper
117 100
82 51.2 41.2 61.8
119 32.3 25.5 38.3

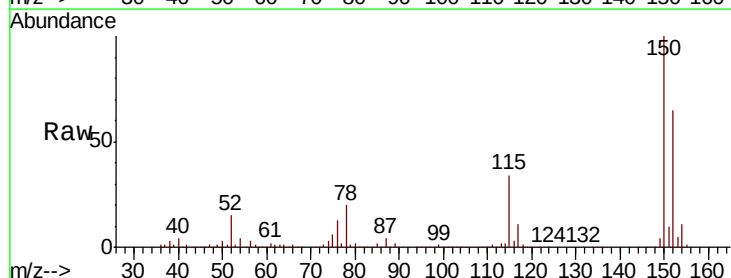


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

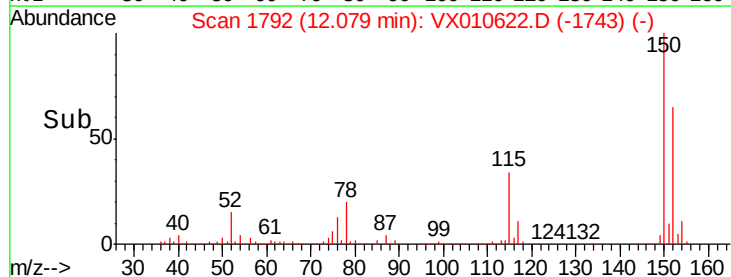
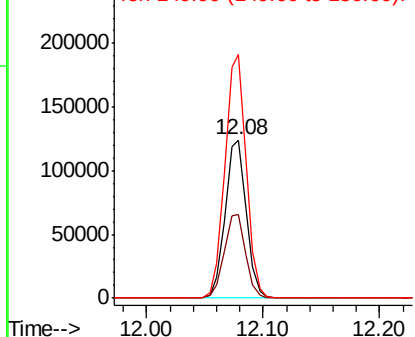


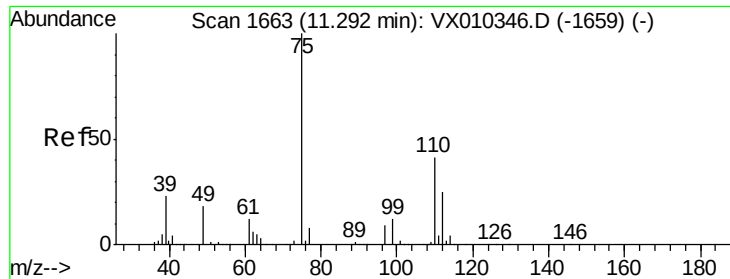
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010622.D
Acq: 02 Jul 2019 17:11

Tgt Ion:152 Resp: 155364
Ion Ratio Lower Upper
152 100
115 53.5 38.6 115.7
150 155.2 0.0 347.4



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

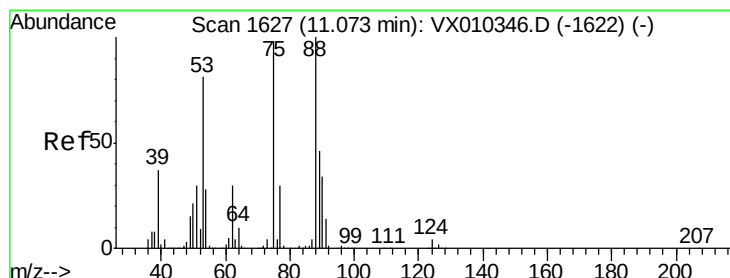
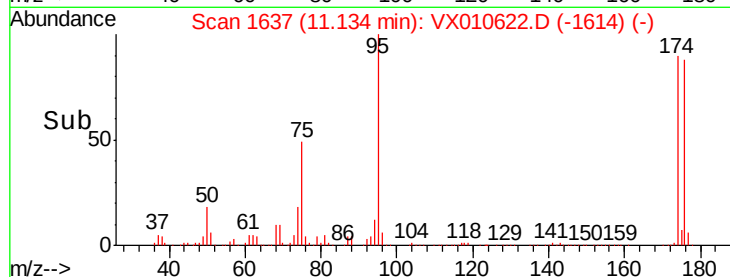
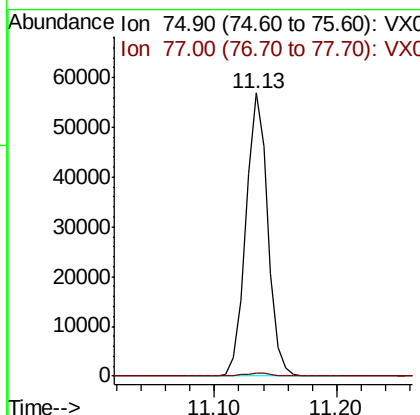
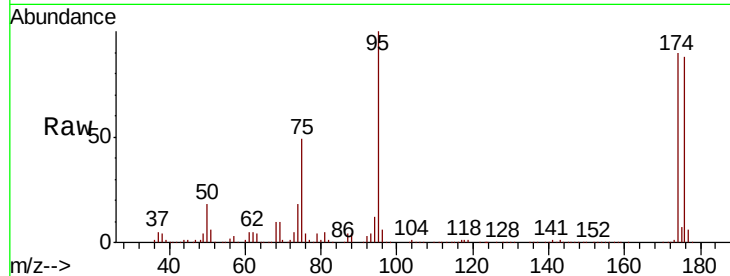




#76
 1,2,3-Trichloropropane
 Concen: 24.869 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010622.D
 Acq: 02 Jul 2019 17:11

Instrument :
 MSVOA_X
 ClientSampleId :
 SP19-JMW0961-9001

Tot Ion: 75 Resp: 70408
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.6 67.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.017 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010622.D
 Acq: 02 Jul 2019 17:11

Tgt Ion: 75 Resp: 70408
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.1 99.1#
 89 0.0 37.8 56.6#

