

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070219\
 Data File : VX010620.D
 Acq On : 02 Jul 2019 16:24
 Operator : JC/SP
 Sample : K3636-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP19-LF3-TB1

Quant Time: Jul 03 01:57:04 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	250267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	382289	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	349014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	164227	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	121778	51.90	ug/l	0.00
Spiked Amount			Recovery	=	103.80%	
35) Dibromofluoromethane	5.50	113	116552	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
50) Toluene-d8	8.71	98	451551	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
62) 4-Bromofluorobenzene	11.13	95	152743	47.28	ug/l	0.00
Spiked Amount			Recovery	=	94.56%	

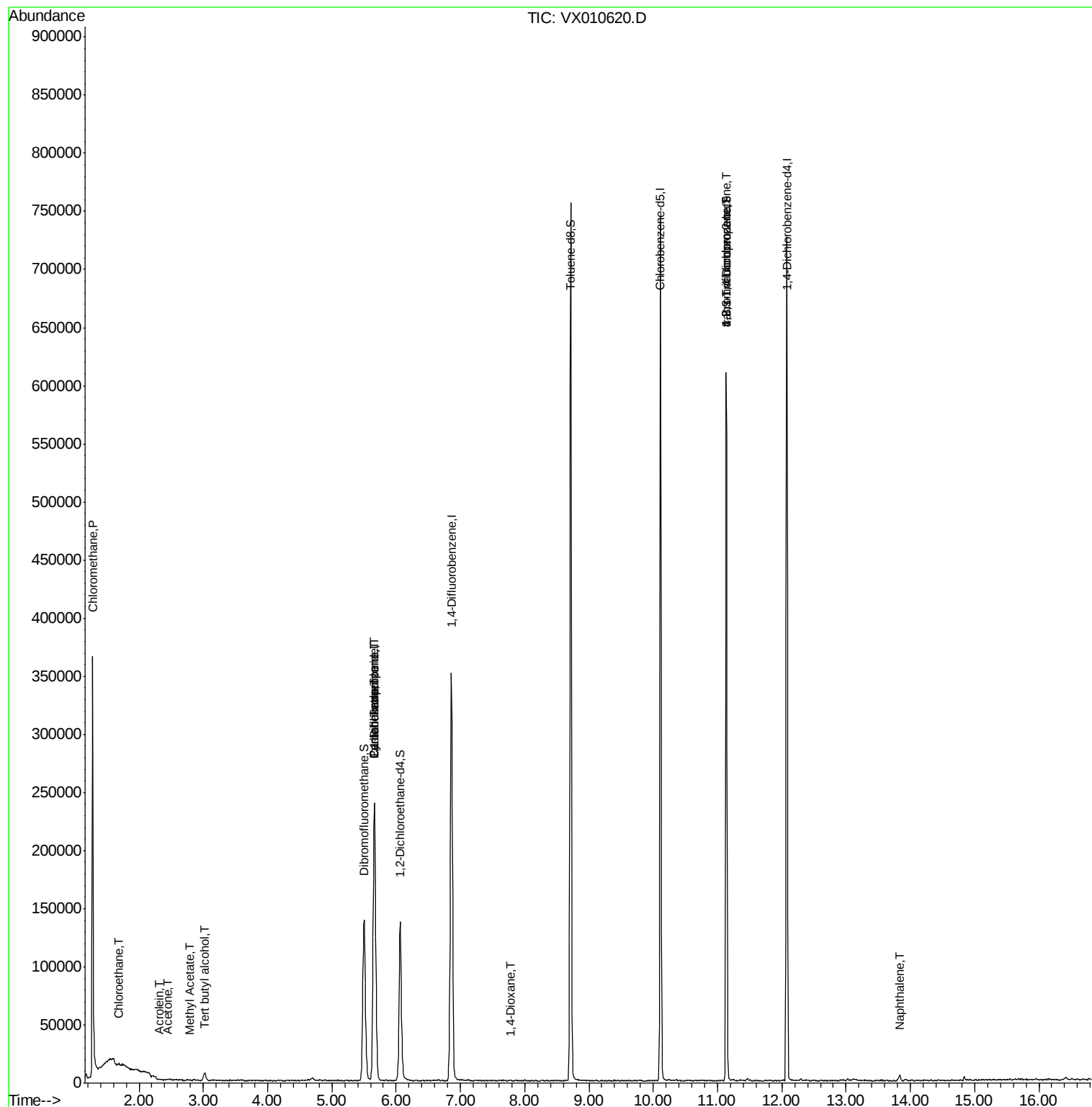
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.28	50	6516	3.216	ug/l #	45
6) Chloroethane	1.68	64	800	0.611	ug/l #	41
11) Tert butyl alcohol	3.01	59	4221	6.875	ug/l #	88
13) Acrolein	2.32	56	209	0.513	ug/l	86
16) Acetone	2.44	43	980	0.833	ug/l #	73
18) Methyl Acetate	2.78	43	644	0.275	ug/l #	64
31) Cyclohexane	5.65	56	4593	1.355	ug/l #	29
36) 1,1-Dichloropropene	5.66	75	15739	5.181	ug/l #	48
38) Carbon Tetrachloride	5.65	117	22738	6.912	ug/l #	15
49) 1,4-Dioxane	7.79	88	20	0.289	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	74281	24.821	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	74281	57.905	ug/l #	16
95) Naphthalene	13.83	128	3181	0.277	ug/l	98

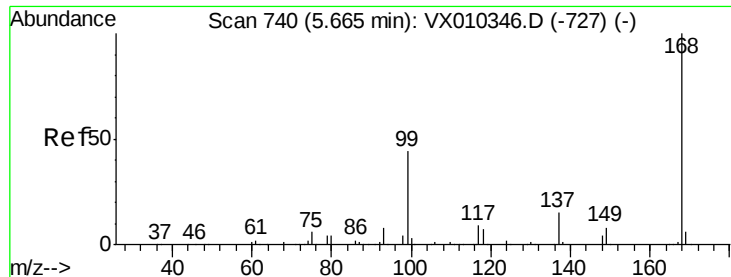
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX070219\
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SP19-LF3-TB1

Quant Time: Jul 03 01:57:04 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
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: VX010620.D

Acq: 02 Jul 2019 16:24

Instrument :

MSVOA_X

ClientSampleId :

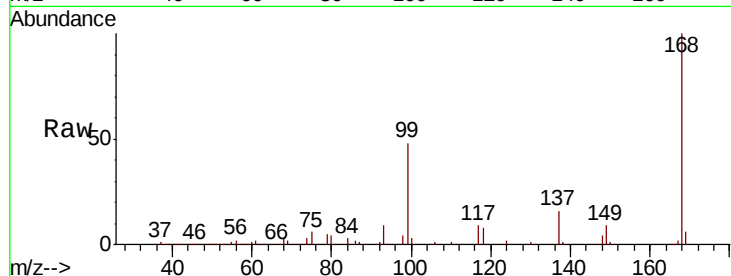
SP19-LF3-TB1

Tot Ion:168 Resp: 250267

Ion Ratio Lower Upper

168 100

99 48.3 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

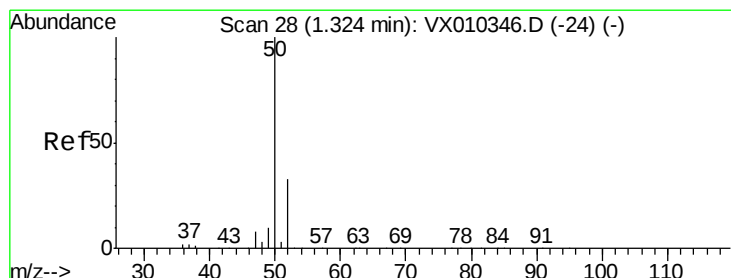
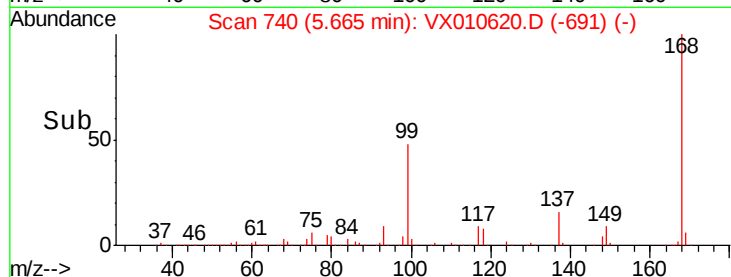
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#3

Chloromethane

Concen: 3.216 ug/l

RT: 1.28 min Scan# 20

Delta R.T. -0.05 min

Lab File: VX010620.D

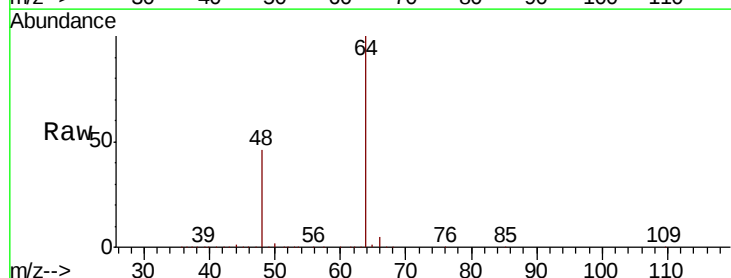
Acq: 02 Jul 2019 16:24

Tgt Ion: 50 Resp: 6516

Ion Ratio Lower Upper

50 100

52 1.9 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.28

5000

4000

3000

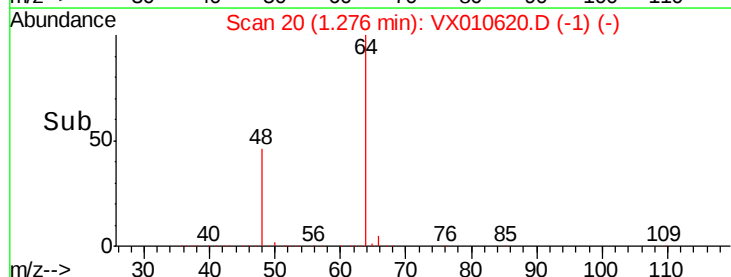
2000

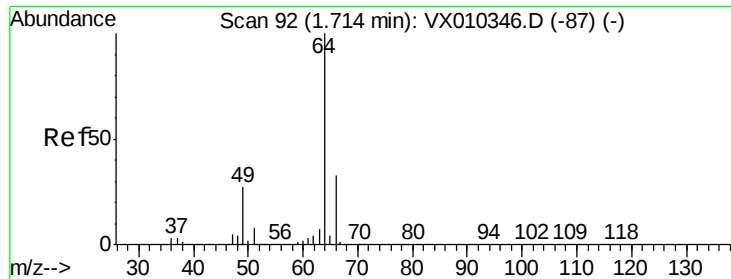
1000

0

1.20 1.25 1.30 1.35

Time-->





#6

Chloroethane

Concen: 0.611 ug/l

RT: 1.68 min Scan# 87

Delta R.T. -0.03 min

Lab File: VX010620.D

Acq: 02 Jul 2019 16:24

Instrument :

MSVOA_X

ClientSampleId :

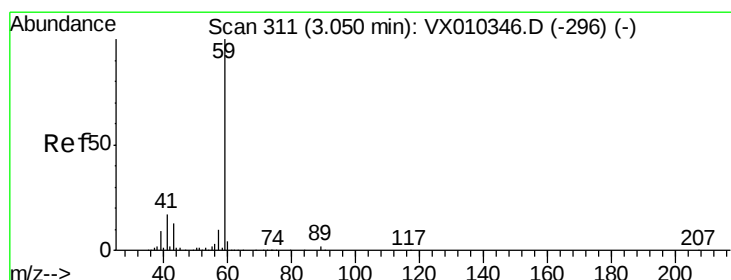
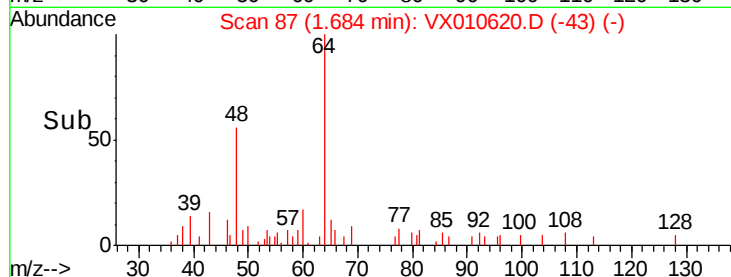
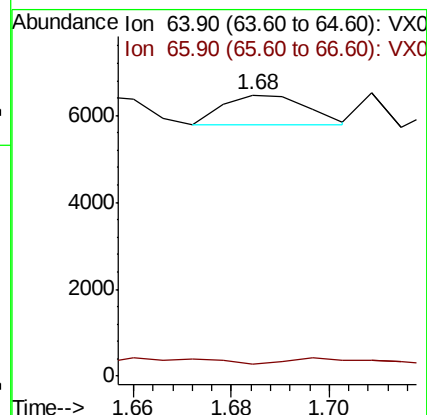
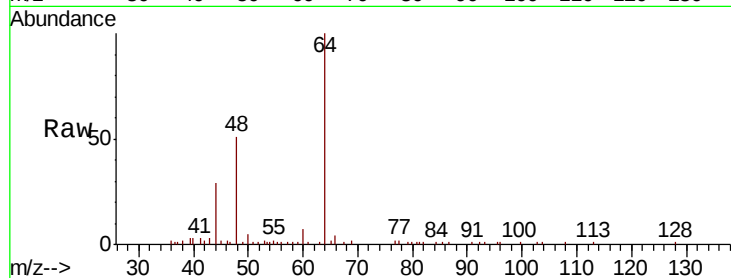
SP19-LF3-TB1

Tot Ion: 64 Resp: 800

Ion Ratio Lower Upper

64 100

66 0.0 26.6 40.0#



#11

Tert butyl alcohol

Concen: 6.875 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.04 min

Lab File: VX010620.D

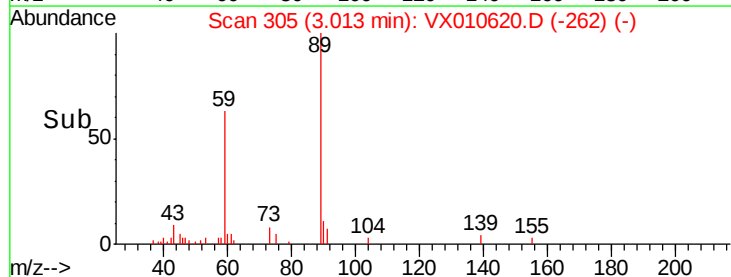
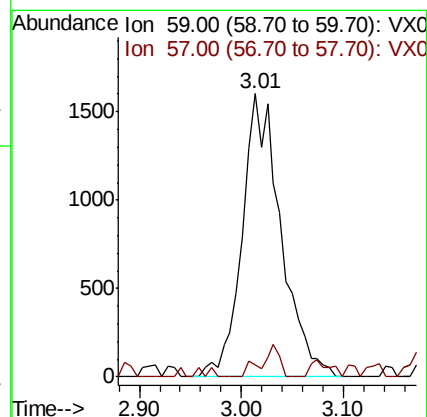
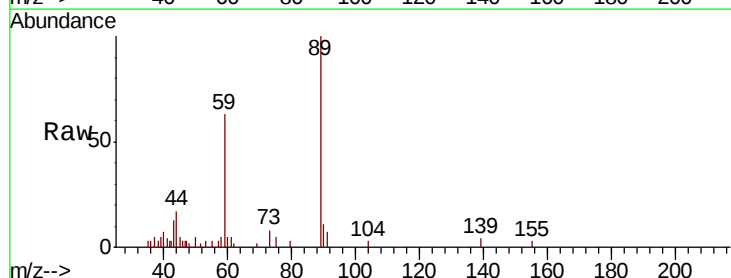
Acq: 02 Jul 2019 16:24

Tgt Ion: 59 Resp: 4221

Ion Ratio Lower Upper

59 100

57 5.4 7.7 11.5#





#13

Acrolein

Concen: 0.513 ug/l

RT: 2.32 min Scan# 192

Delta R.T. 0.03 min

Lab File: VX010620.D

Acq: 02 Jul 2019 16:24

Instrument :

MSVOA_X

ClientSampleId :

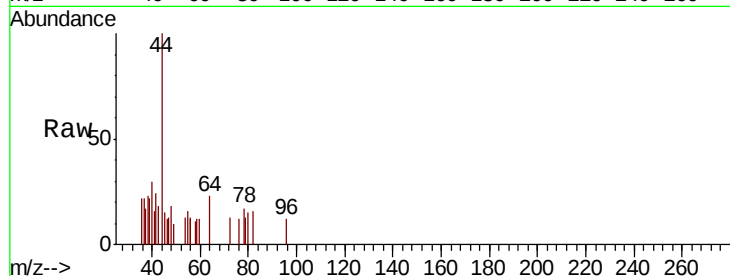
SP19-LF3-TB1

Tot Ion: 56 Resp: 209

Ion Ratio Lower Upper

56 100

55 82.3 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

150

100

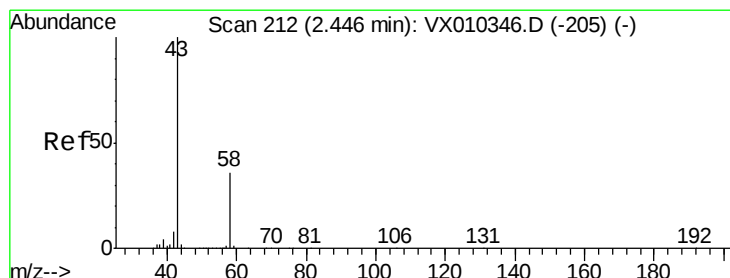
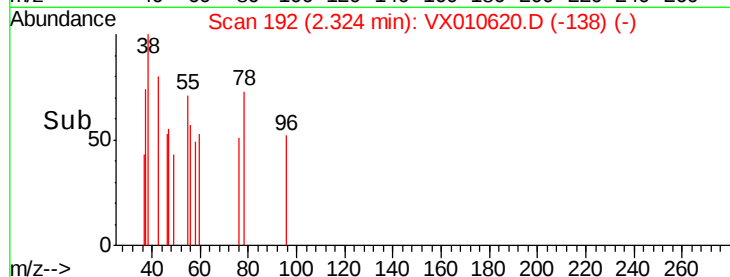
50

0

2.28 2.30 2.32 2.34 2.36

2.32

Time-->



#16

Acetone

Concen: 0.833 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010620.D

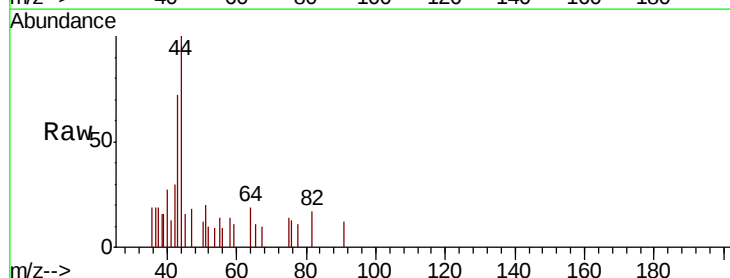
Acq: 02 Jul 2019 16:24

Tgt Ion: 43 Resp: 980

Ion Ratio Lower Upper

43 100

58 19.9 28.9 43.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

400

300

200

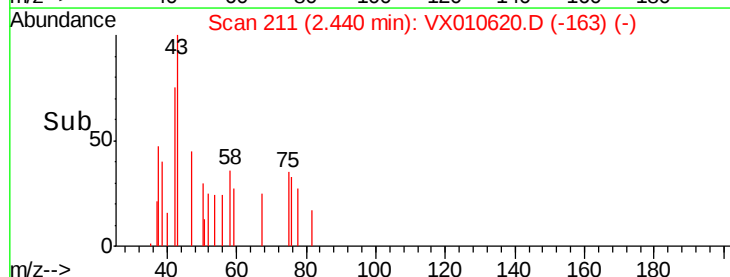
100

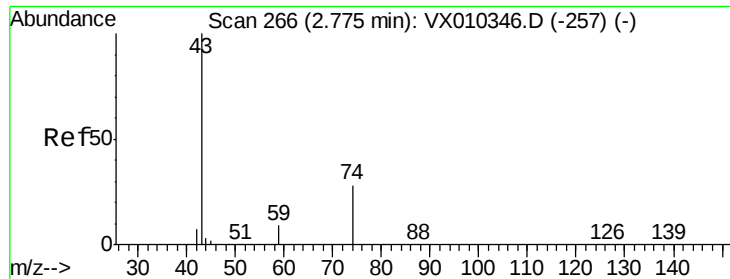
0

2.40 2.45 2.50

2.44

Time-->

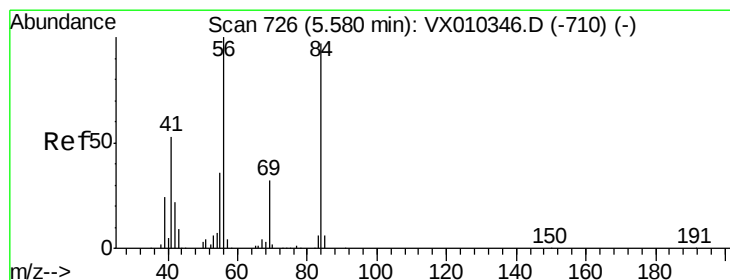
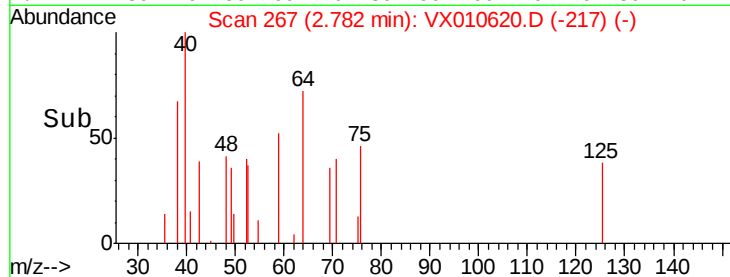
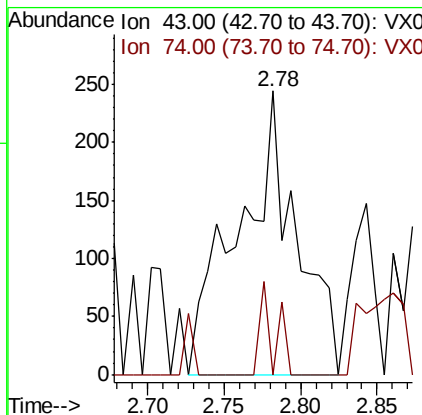
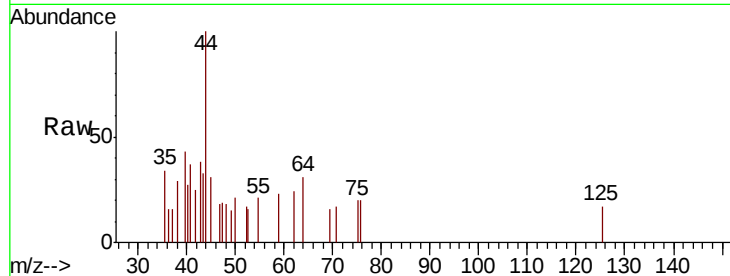




#18
Methvl Acetate
Concen: 0.275 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX010620.D
Acq: 02 Jul 2019 16:24

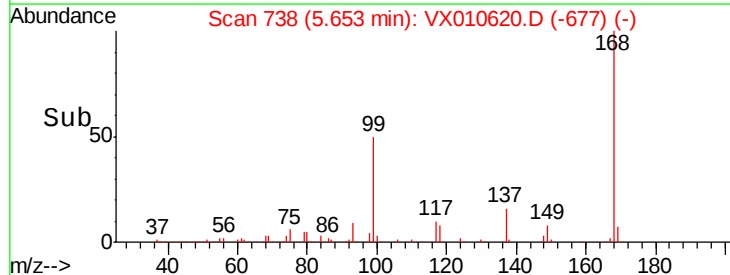
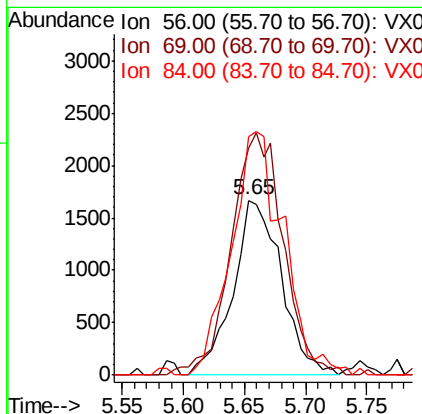
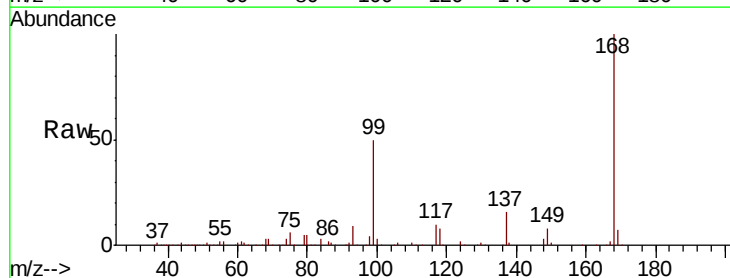
Instrument :
MSVOA_X
ClientSampled :
SP19-LF3-TB1

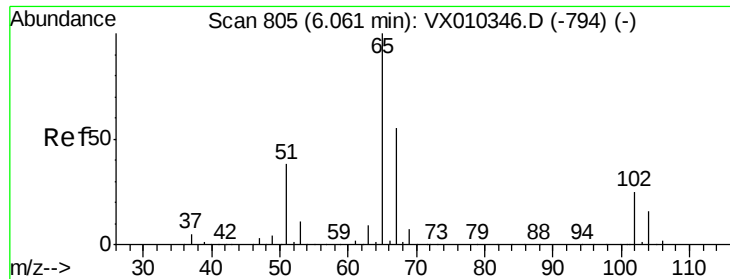
Tot Ion: 43 Resp: 644
Ion Ratio Lower Upper
43 100
74 8.1 21.3 31.9#



#31
Cyclohexane
Concen: 1.355 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX010620.D
Acq: 02 Jul 2019 16:24

Tgt Ion: 56 Resp: 4593
Ion Ratio Lower Upper
56 100
69 125.5 25.9 38.9#
84 136.1 78.0 117.0#





#33

1,2-Dichloroethane-d4

Concen: 51.898 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010620.D

Acq: 02 Jul 2019 16:24

Instrument :

MSVOA_X

ClientSampled :

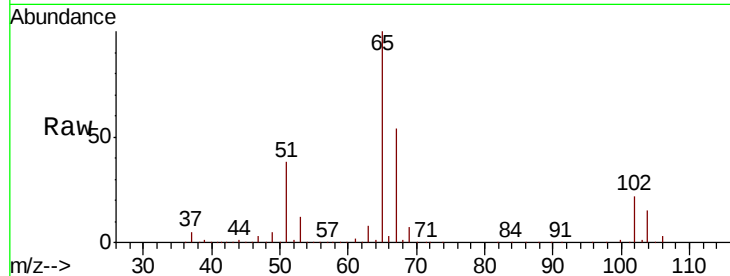
SP19-LF3-TB1

Tot Ion: 65 Resp: 121778

Ion Ratio Lower Upper

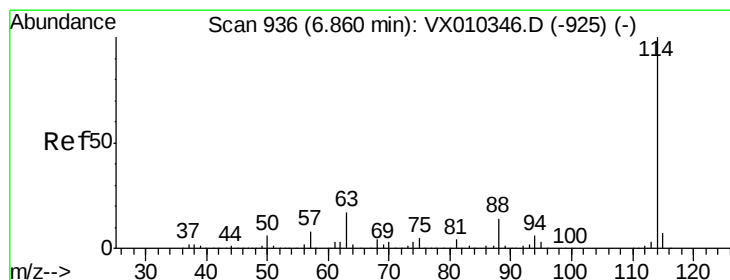
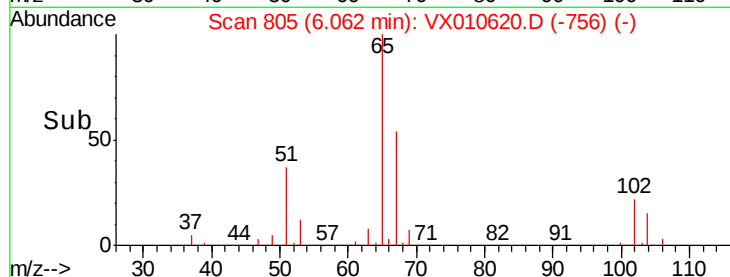
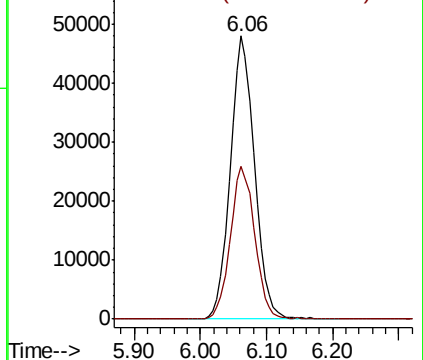
65 100

67 54.3 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: VX010620.D

Acq: 02 Jul 2019 16:24

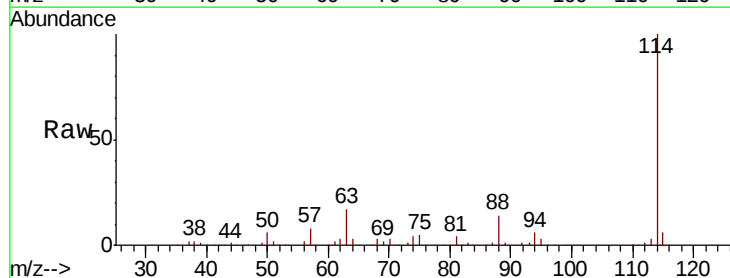
Tgt Ion: 114 Resp: 382289

Ion Ratio Lower Upper

114 100

63 17.2 0.0 33.8

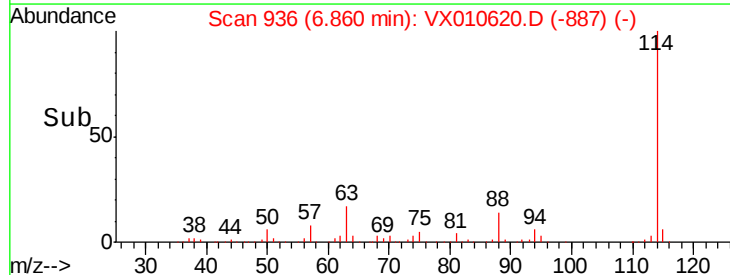
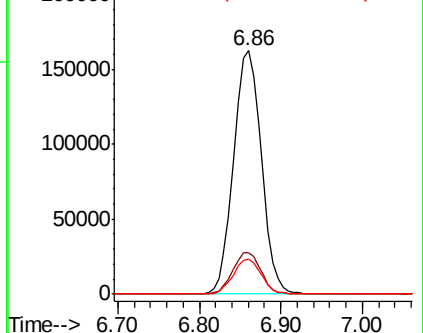
88 14.3 0.0 27.6

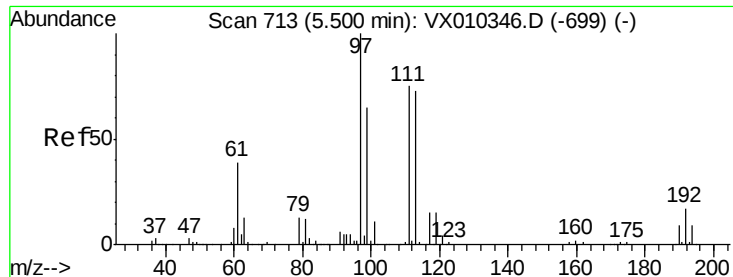


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

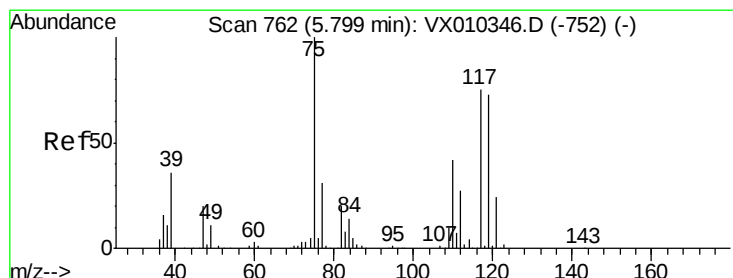
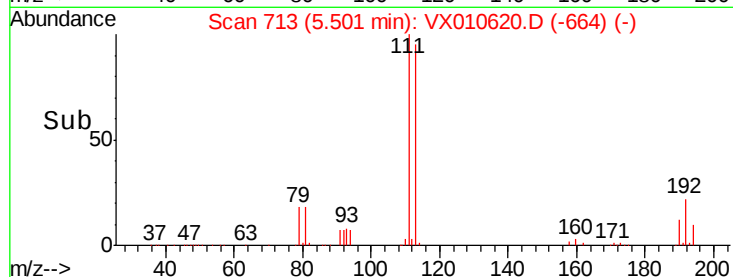
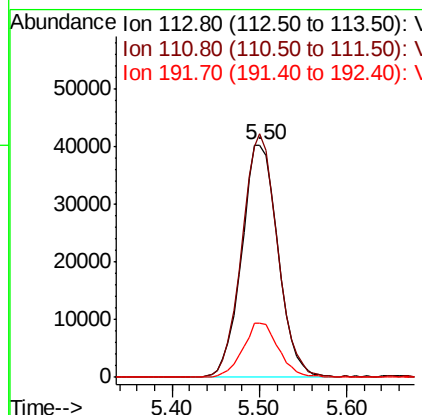
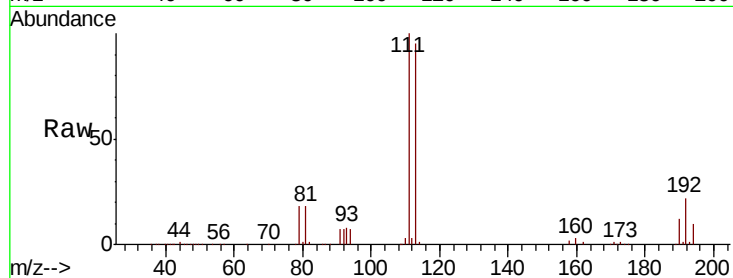




#35
 Dibromofluoromethane
 Concen: 49.830 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010620.D
 Acq: 02 Jul 2019 16:24

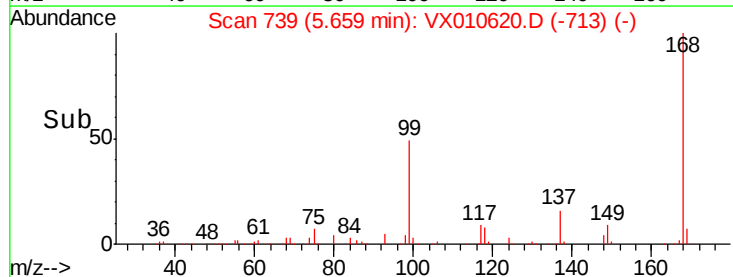
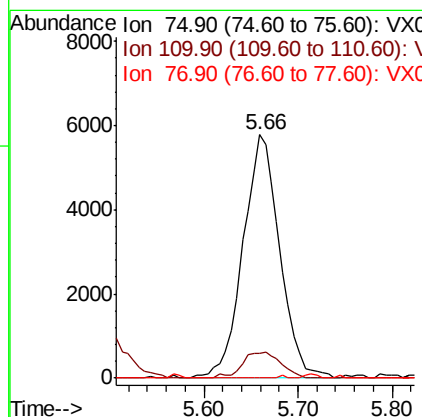
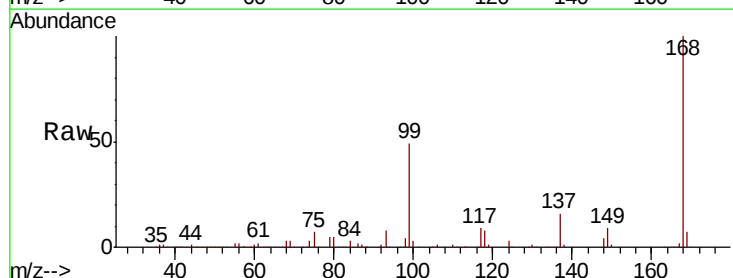
Instrument :
 MSVOA_X
 ClientSampled :
 SP19-LF3-TB1

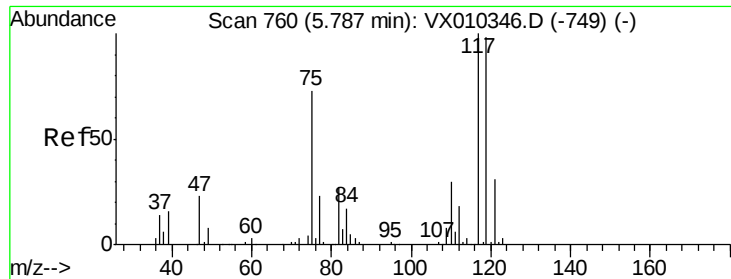
Tot Ion:113 Resp: 116552
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.2 121.8
 192 22.9 18.6 27.8



#36
 1,1-Dichloropropene
 Concen: 5.181 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010620.D
 Acq: 02 Jul 2019 16:24

Tgt Ion: 75 Resp: 15739
 Ion Ratio Lower Upper
 75 100
 110 11.2 20.8 62.2#
 77 0.0 25.4 38.0#





#38

Carbon Tetrachloride

Concen: 6.912 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX010620.D

Acq: 02 Jul 2019 16:24

Instrument :

MSVOA_X

ClientSampled :

SP19-LF3-TB1

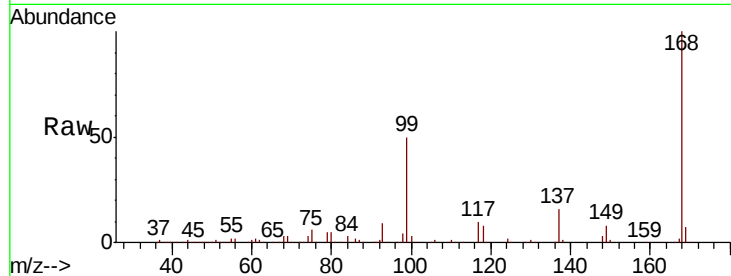
Tot Ion:117 Resp: 22738

Ion Ratio Lower Upper

117 100

119 4.4 78.2 117.4#

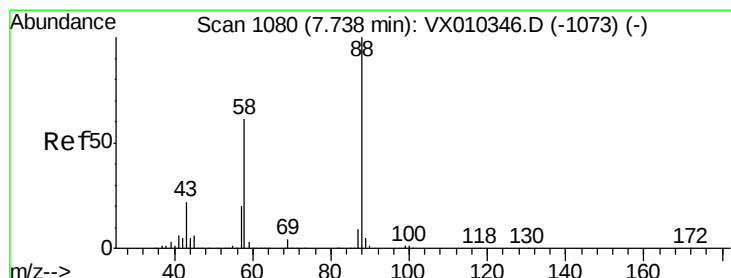
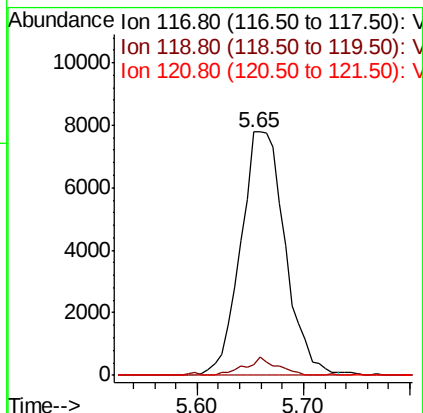
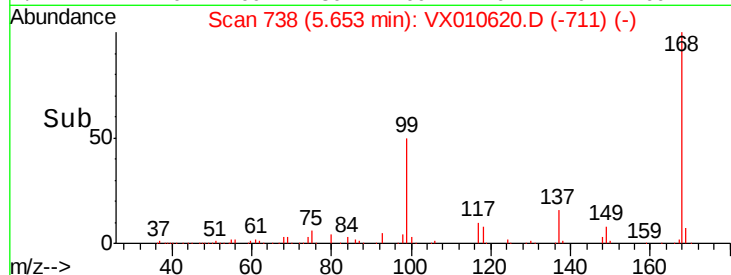
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 0.289 ug/l

RT: 7.79 min Scan# 1089

Delta R.T. 0.06 min

Lab File: VX010620.D

Acq: 02 Jul 2019 16:24

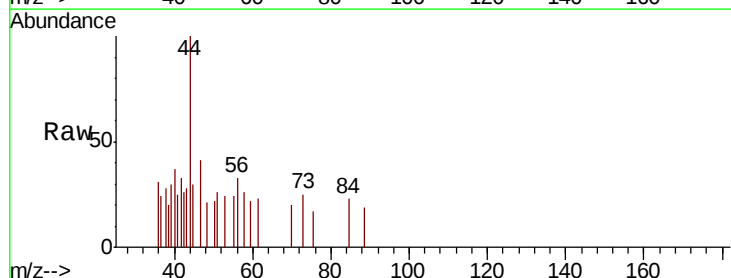
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 435.0 20.2 30.2#

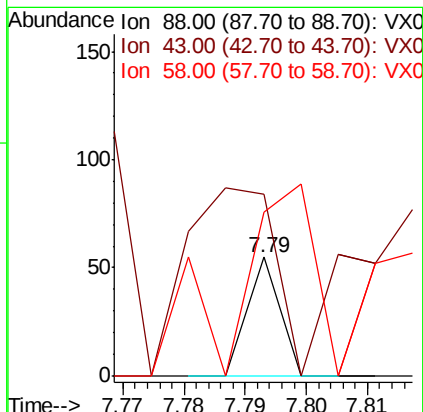
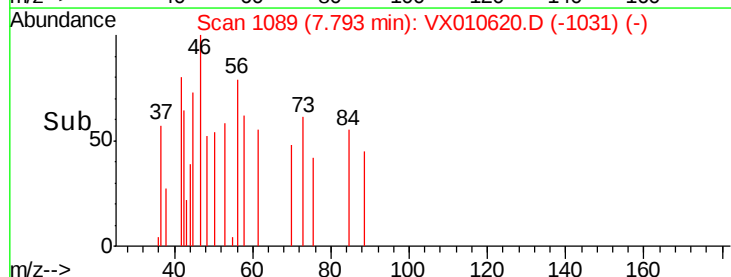
58 400.0 49.5 74.3#

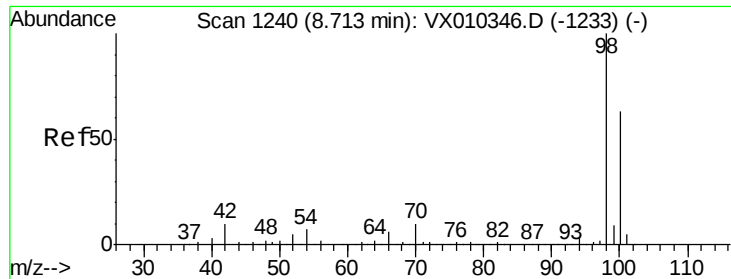


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

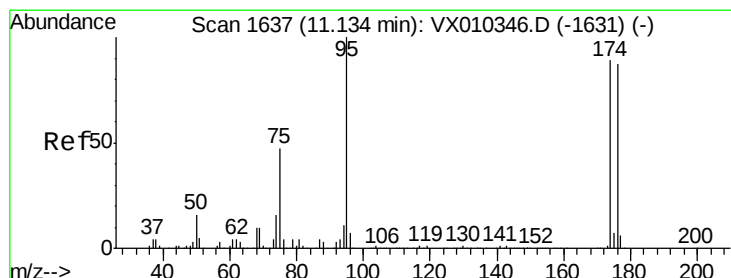
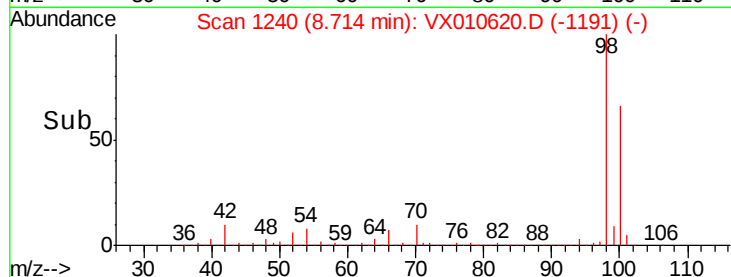
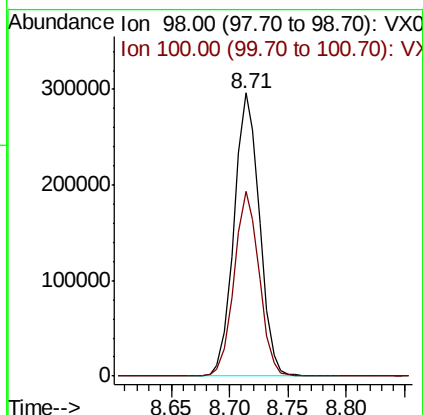
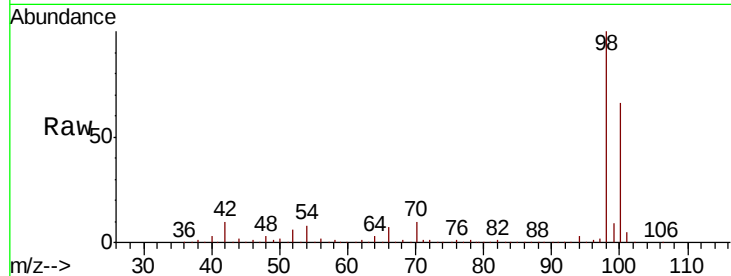




#50
Toluene-d8
Concen: 50.461 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010620.D
Acq: 02 Jul 2019 16:24

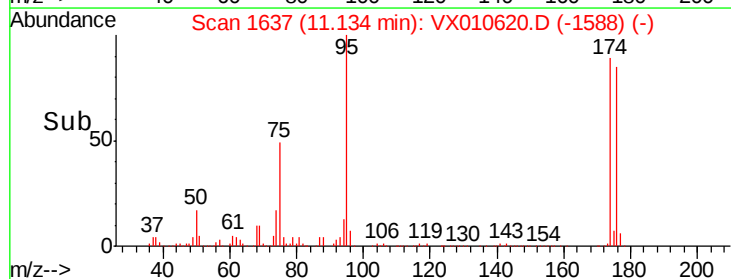
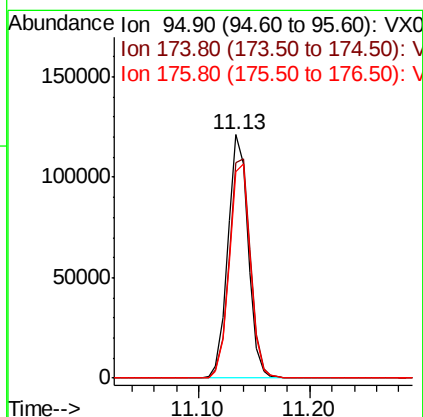
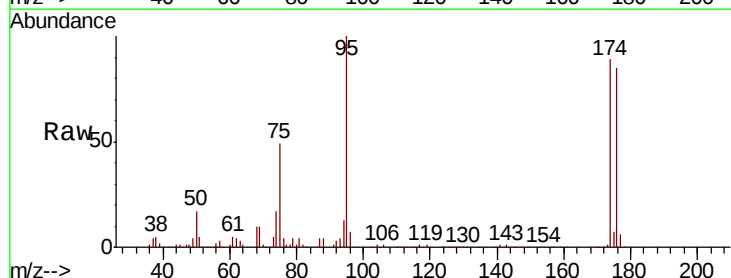
Instrument :
MSVOA_X
ClientSampleId :
SP19-LF3-TB1

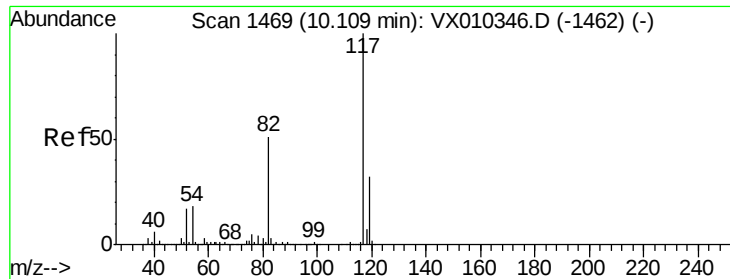
Tot Ion: 98 Resp: 451551
Ion Ratio Lower Upper
98 100
100 64.4 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 47.279 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010620.D
Acq: 02 Jul 2019 16:24

Tgt Ion: 95 Resp: 152743
Ion Ratio Lower Upper
95 100
174 94.8 0.0 187.6
176 91.2 0.0 184.0

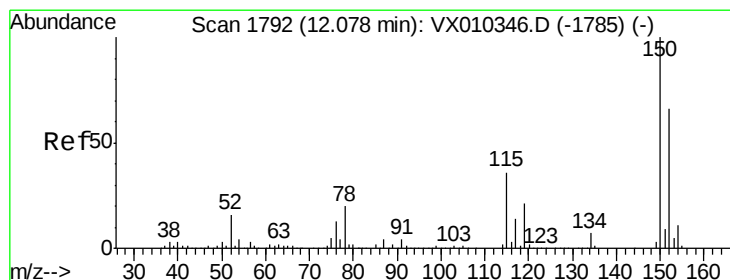
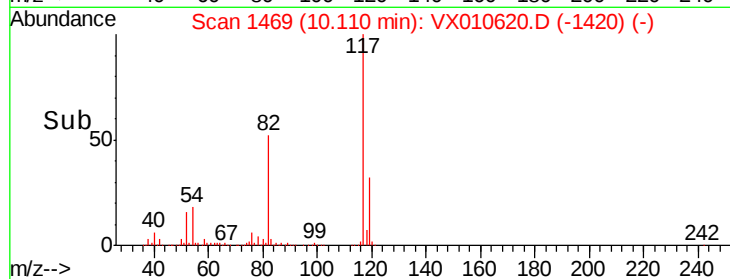
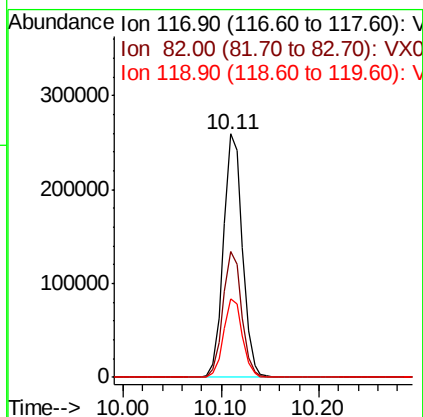
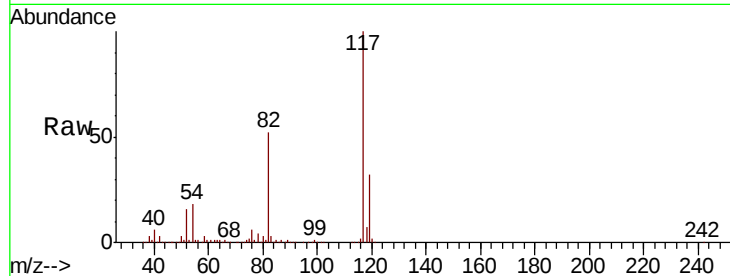




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010620.D
Acq: 02 Jul 2019 16:24

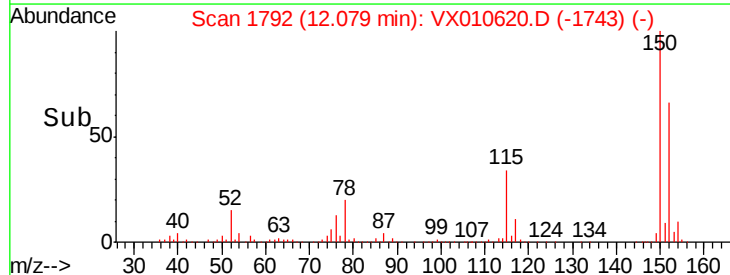
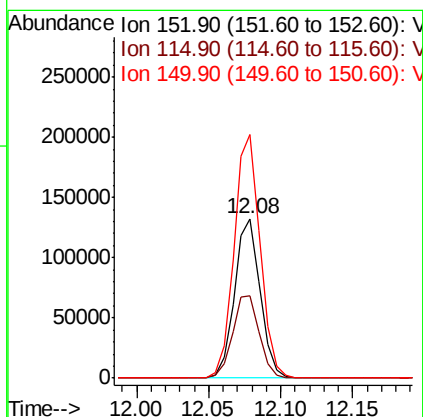
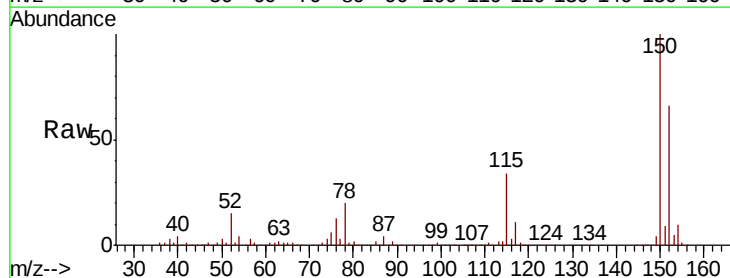
Instrument :
MSVOA_X
ClientSampleId :
SP19-LF3-TB1

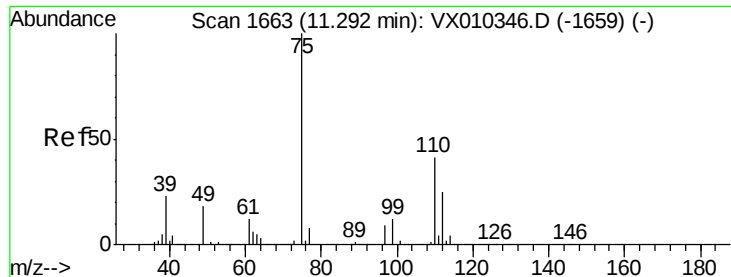
Tot Ion:117 Resp: 349014
Ion Ratio Lower Upper
117 100
82 51.9 41.2 61.8
119 32.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010620.D
Acq: 02 Jul 2019 16:24

Tgt Ion:152 Resp: 164227
Ion Ratio Lower Upper
152 100
115 54.3 38.6 115.7
150 155.2 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 24.821 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010620.D

Acq: 02 Jul 2019 16:24

Instrument :

MSVOA_X

ClientSampleId :

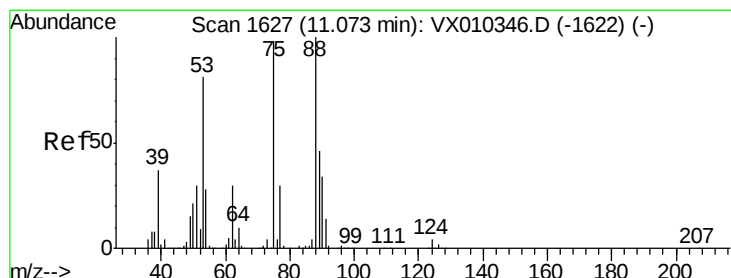
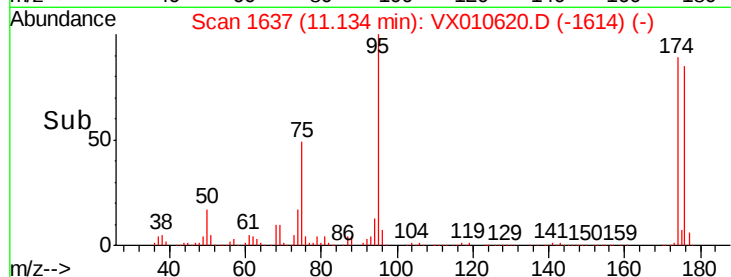
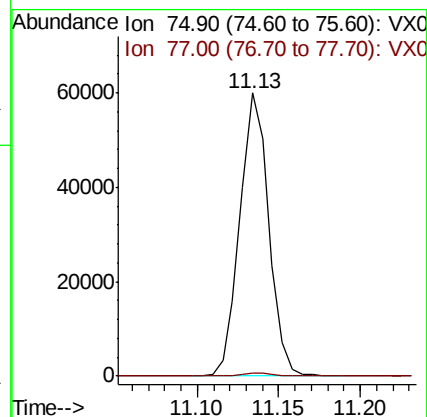
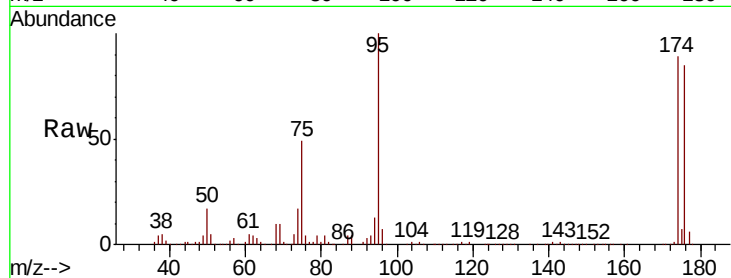
SP19-LF3-TB1

Tot Ion: 75 Resp: 74281

Ion Ratio Lower Upper

75 100

77 1.2 22.6 67.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.905 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010620.D

Acq: 02 Jul 2019 16:24

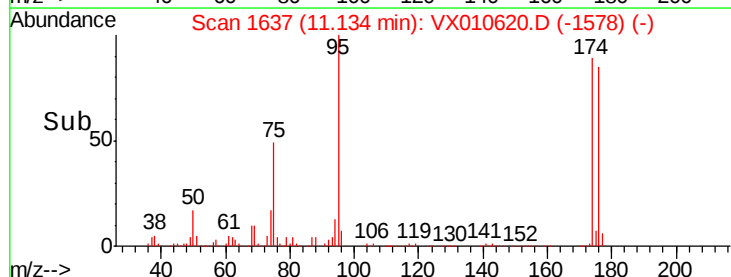
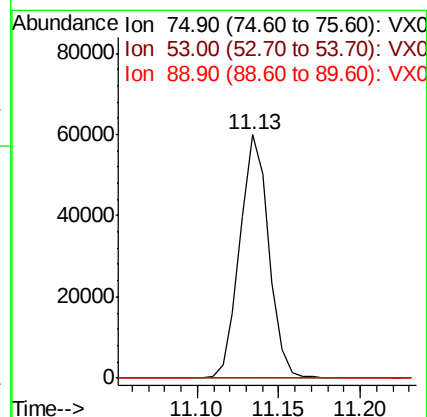
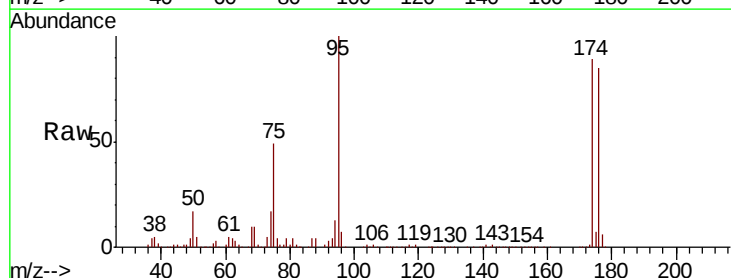
Tgt Ion: 75 Resp: 74281

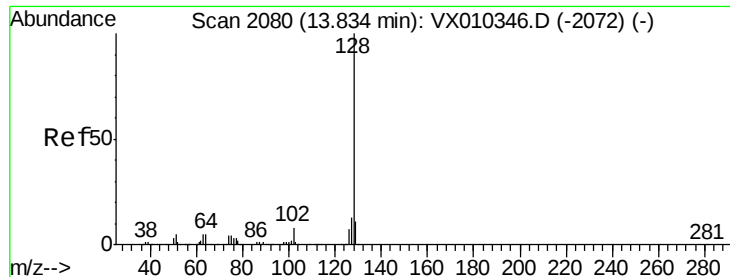
Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

89 0.0 37.8 56.6#

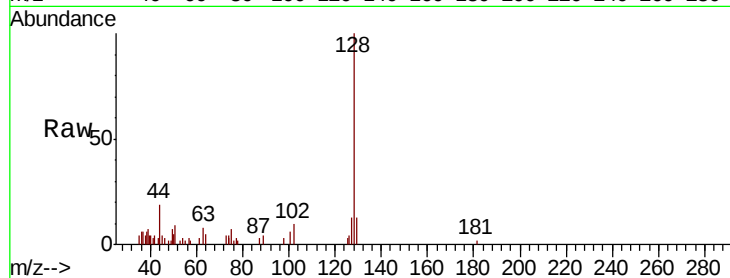




#95
Naphthalene
Concen: 0.277 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010620.D
Acq: 02 Jul 2019 16:24

Instrument :
MSVOA_X
ClientSampleId :
SP19-LF3-TB1

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.2	15.4
129	12.2	8.9	13.3



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

