

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061720\
 Data File : VX016826.D
 Acq On : 17 Jun 2020 18:51
 Operator : JC/SP
 Sample : L3032-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF015MW047-200616

Quant Time: Jun 18 01:43:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061520W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 16 02:02:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	273220	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	408531	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	418031	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	246634	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	142718	46.45	ug/l	0.00
Spiked Amount			Recovery	=	92.90%	
35) Dibromofluoromethane	5.46	113	124488	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
50) Toluene-d8	8.70	98	497008	53.48	ug/l	0.00
Spiked Amount			Recovery	=	106.96%	
62) 4-Bromofluorobenzene	11.12	95	205925	57.93	ug/l	0.00
Spiked Amount			Recovery	=	115.86%	

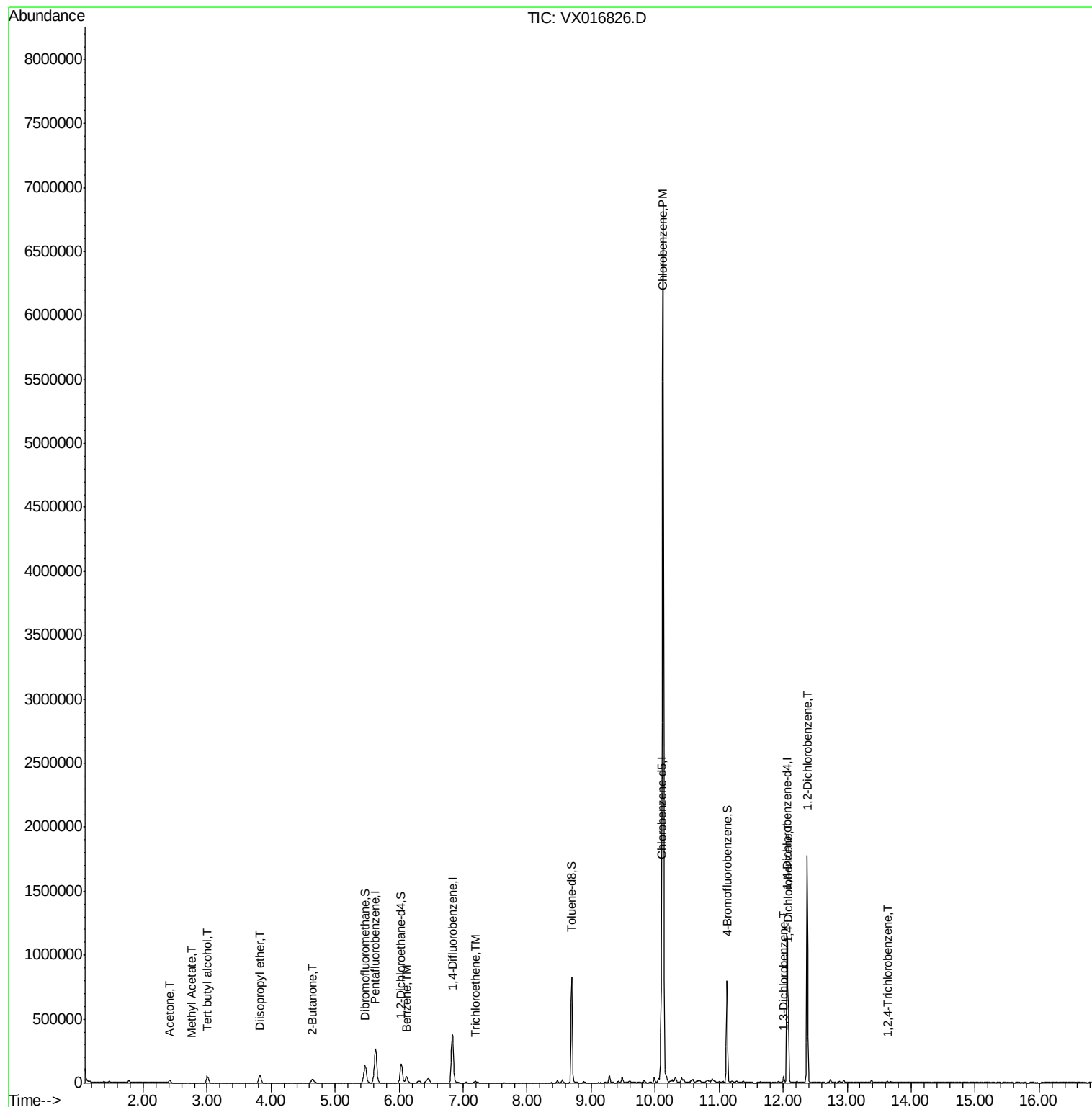
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.00	59	73524	95.232	ug/l	100
16) Acetone	2.42	43	17578	12.610	ug/l	96
18) Methyl Acetate	2.75	43	1780	0.478	ug/l	97
22) Diisopropyl ether	3.82	45	62075	7.913	ug/l #	82
25) 2-Butanone	4.65	43	6339	3.017	ug/l #	76
40) Benzene	6.11	78	58550	5.327	ug/l	98
44) Trichloroethene	7.19	130	4223	1.242	ug/l	96
65) Chlorobenzene	10.12	112	3083949	363.576	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	18613	2.409	ug/l	97
88) 1,4-Dichlorobenzene	12.08	146	152970	19.095	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	625014	80.906	ug/l	98
93) 1,2,4-Trichlorobenzene	13.63	180	1705	0.315	ug/l #	86

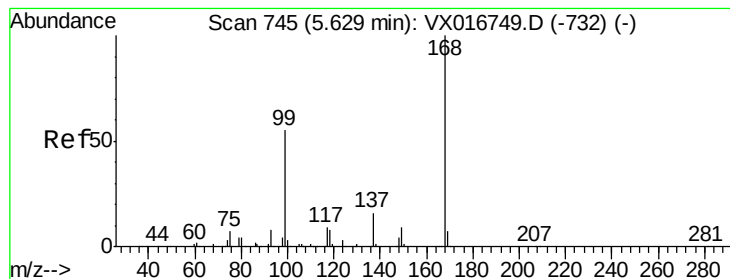
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jun 16 02:02:35 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016826.D

Acq: 17 Jun 2020 18:51

Instrument :

MSVOA_X

ClientSampleId :

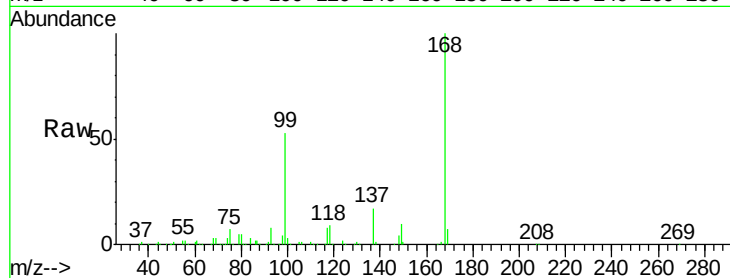
LF015MW047-200616

Tot Ion:168 Resp: 273220

Ion Ratio Lower Upper

168 100

99 53.1 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

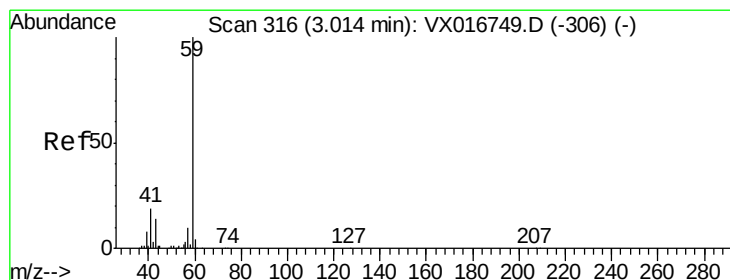
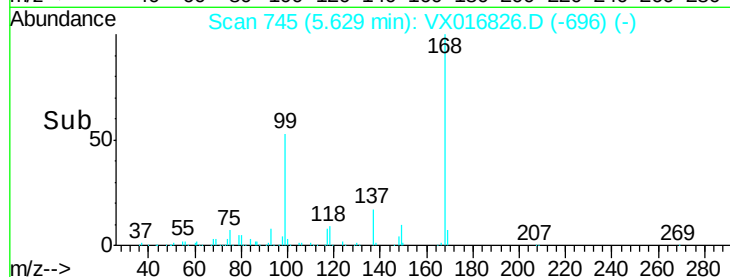
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 95.232 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX016826.D

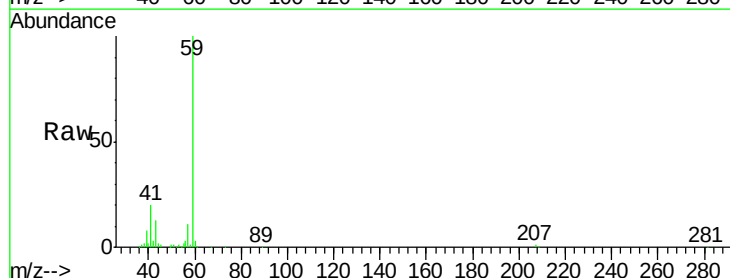
Acq: 17 Jun 2020 18:51

Tgt Ion: 59 Resp: 73524

Ion Ratio Lower Upper

59 100

57 10.2 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.00

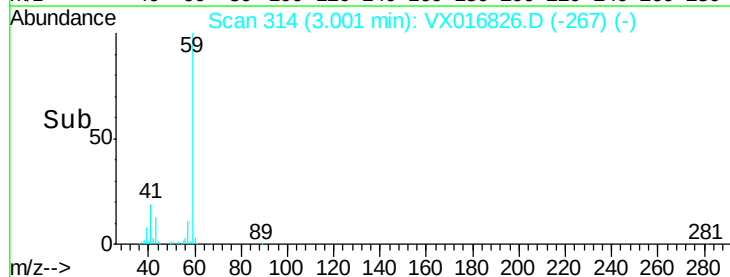
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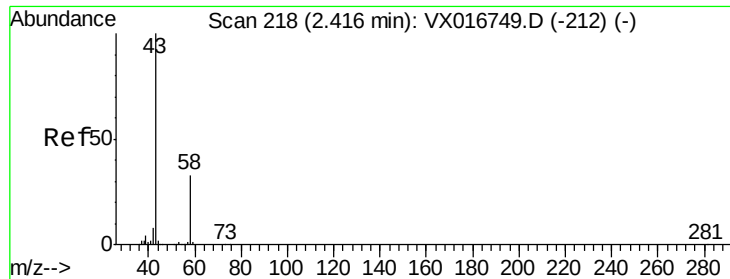
20000

10000

0

Time-->





#16

Acetone

Concen: 12.610 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016826.D

Acq: 17 Jun 2020 18:51

Instrument :

MSVOA_X

ClientSampleId :

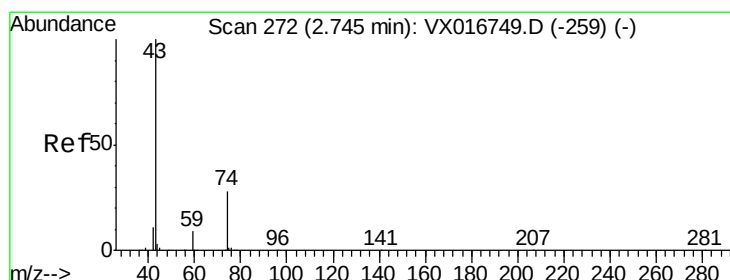
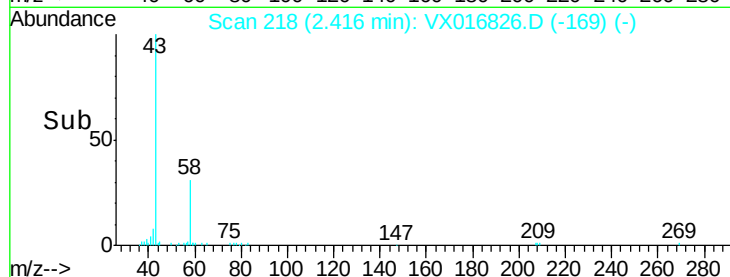
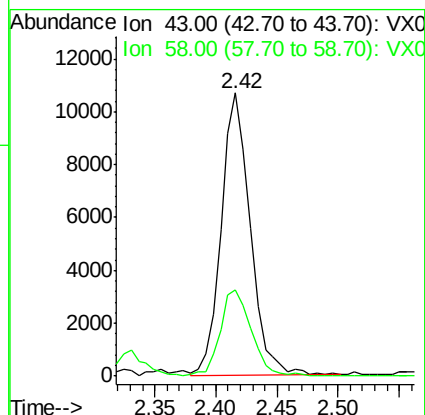
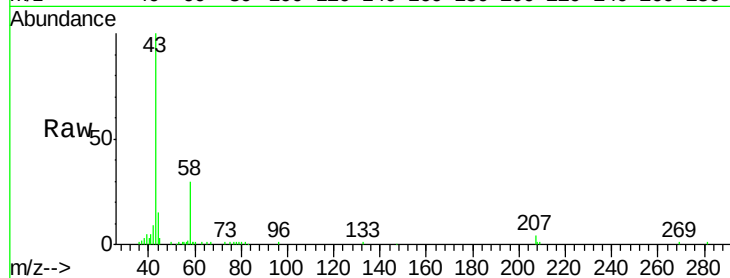
LF015MW047-200616

Tot Ion: 43 Resp: 17578

Ion Ratio Lower Upper

43 100

58 30.6 26.3 39.5



#18

Methyl Acetate

Concen: 0.478 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.00 min

Lab File: VX016826.D

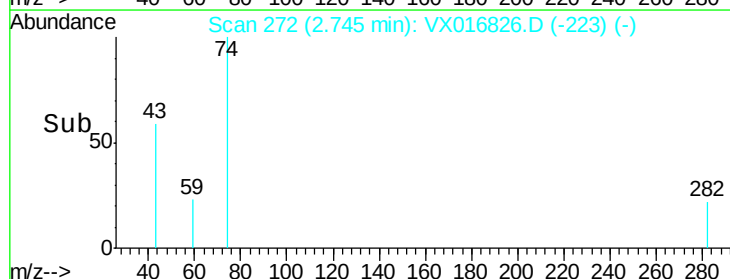
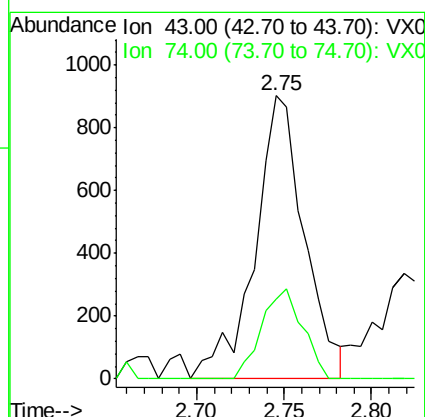
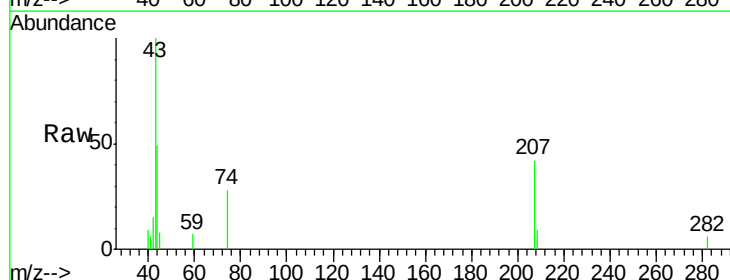
Acq: 17 Jun 2020 18:51

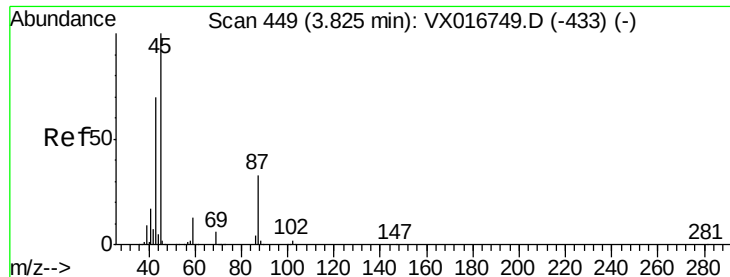
Tgt Ion: 43 Resp: 1780

Ion Ratio Lower Upper

43 100

74 26.5 22.4 33.6





#22

Diisopropyl ether

Concen: 7.913 ug/l

RT: 3.82 min Scan# 449

Delta R.T. -0.00 min

Lab File: VX016826.D

Acq: 17 Jun 2020 18:51

Instrument :

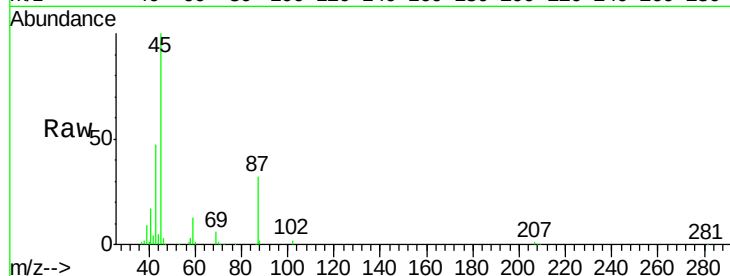
MSVOA_X

ClientSampleId :

LF015MW047-200616

Tot Ion: 45 Resp: 62075

Ion	Ratio	Lower	Upper
45	100		
43	46.5	56.2	84.4#
87	31.5	26.2	39.4
59	13.1	10.3	15.5

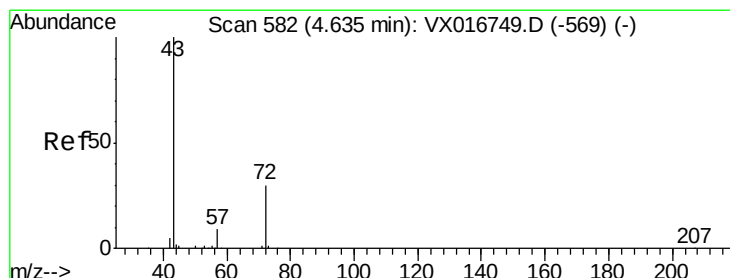
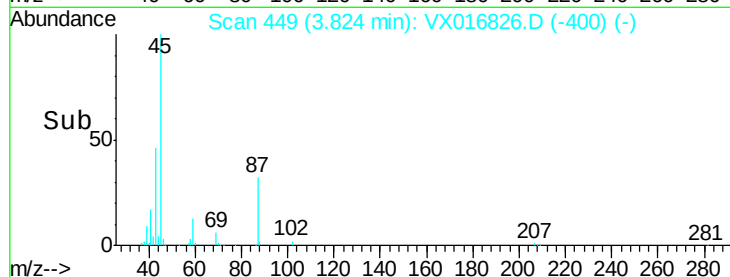
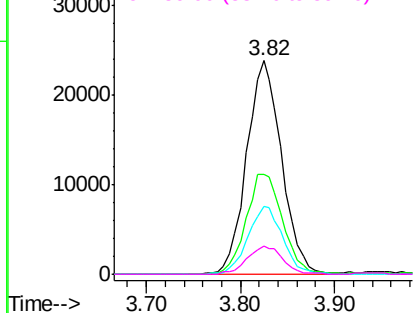


Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0



#25

2-Butanone

Concen: 3.017 ug/l

RT: 4.65 min Scan# 585

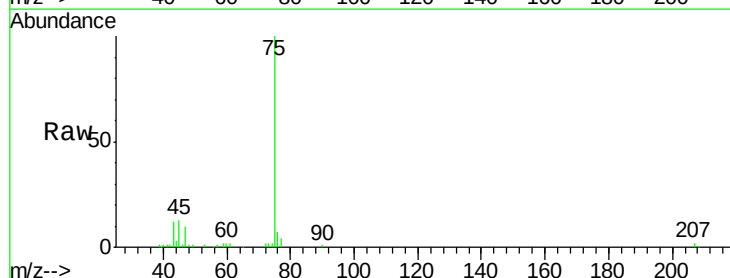
Delta R.T. 0.02 min

Lab File: VX016826.D

Acq: 17 Jun 2020 18:51

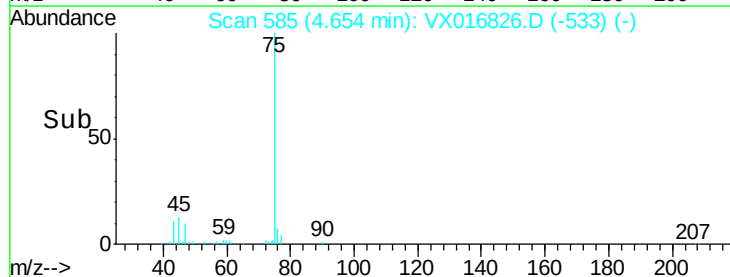
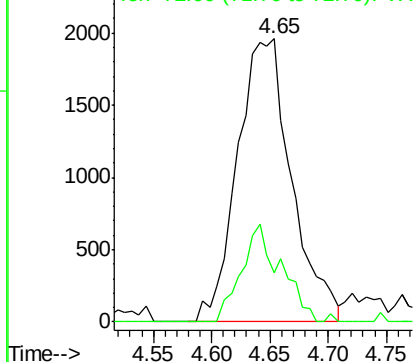
Tgt Ion: 43 Resp: 6339

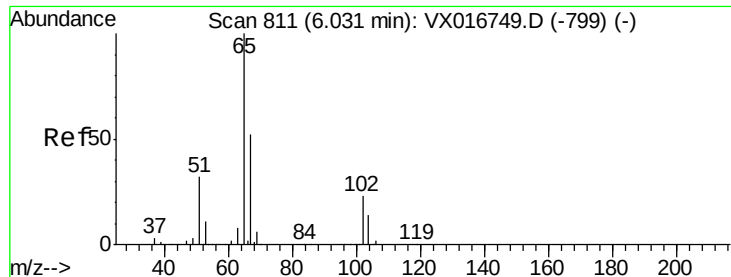
Ion	Ratio	Lower	Upper
43	100		
72	17.4	24.2	36.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

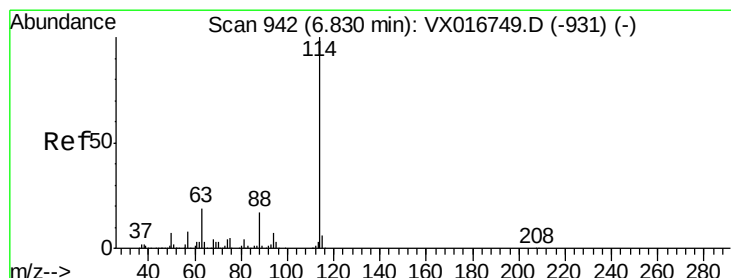
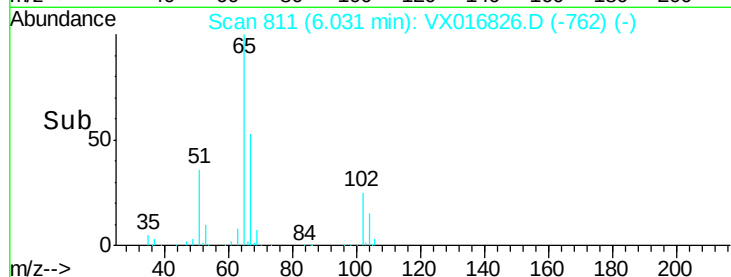
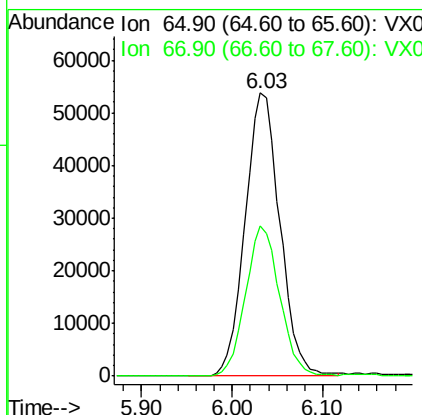
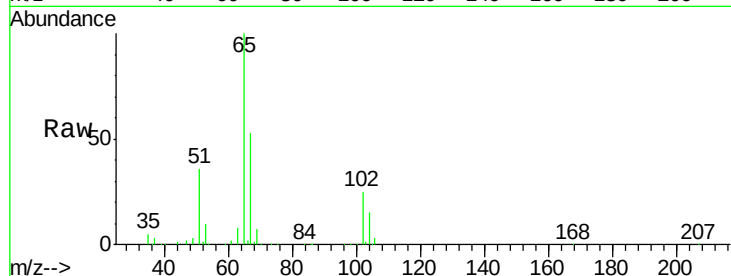




#33
 1,2-Dichloroethane-d4
 Concen: 46.445 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX016826.D
 Acq: 17 Jun 2020 18:51

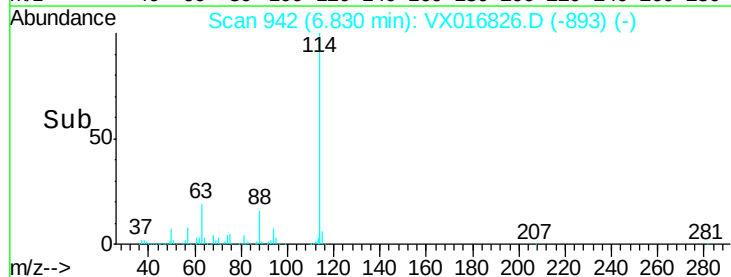
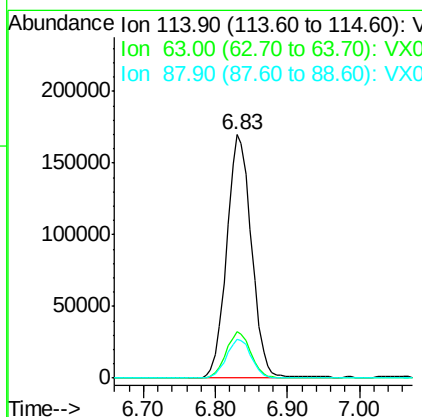
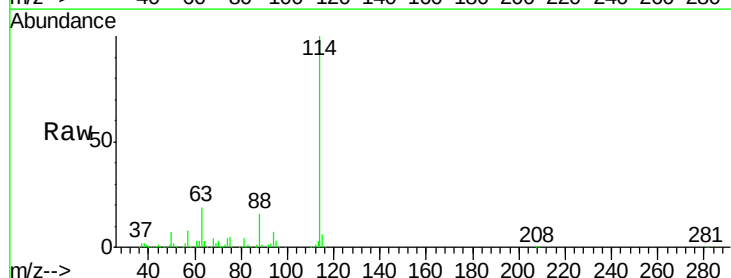
Instrument :
 MSVOA_X
 ClientSampleId :
 LF015MW047-200616

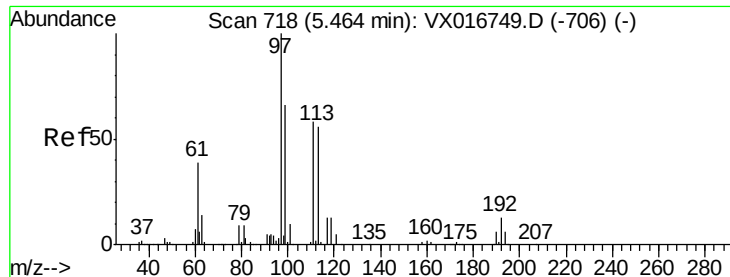
Tot Ion: 65 Resp: 142718
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016826.D
 Acq: 17 Jun 2020 18:51

Tgt Ion: 114 Resp: 408531
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.8
 88 15.9 0.0 33.4

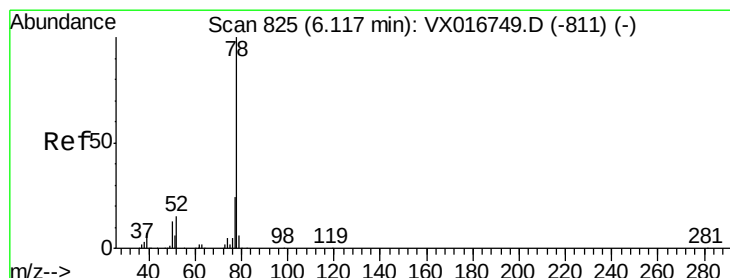
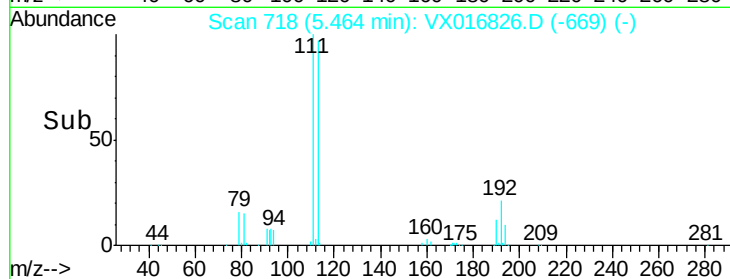
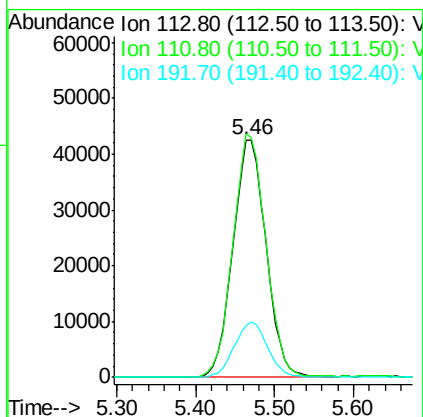
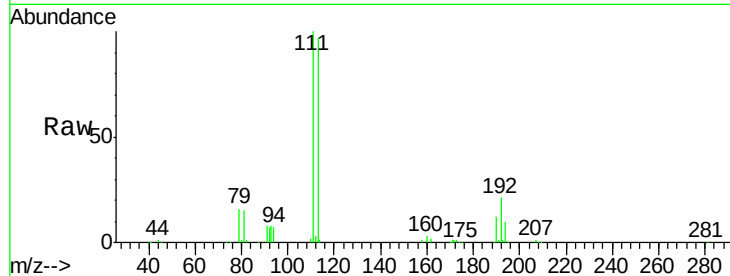




#35
 Dibromofluoromethane
 Concen: 49.389 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX016826.D
 Acq: 17 Jun 2020 18:51

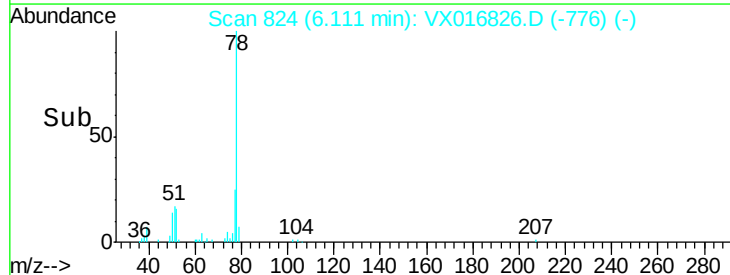
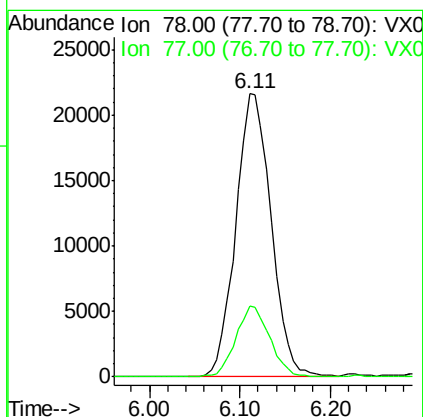
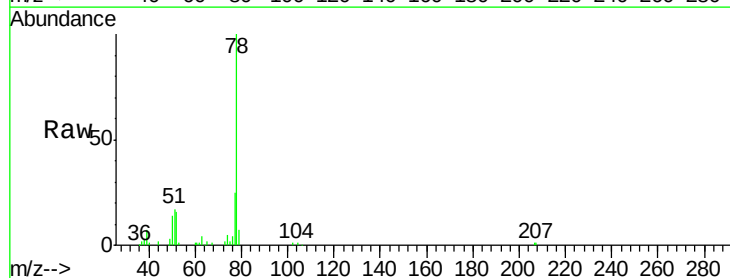
Instrument :
 MSVOA_X
 ClientSampleId :
 LF015MW047-200616

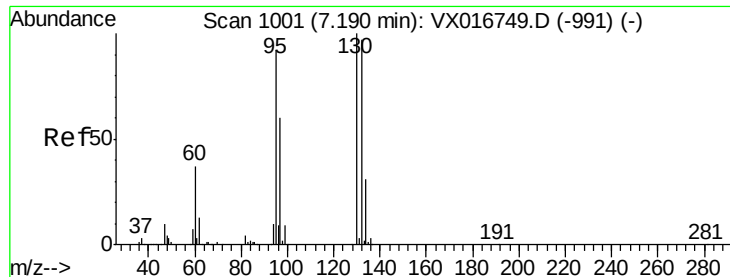
Tot Ion:113 Resp: 124488
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.8 122.6
 192 23.6 18.2 27.4



#40
 Benzene
 Concen: 5.327 ug/l
 RT: 6.11 min Scan# 824
 Delta R.T. -0.01 min
 Lab File: VX016826.D
 Acq: 17 Jun 2020 18:51

Tgt Ion: 78 Resp: 58550
 Ion Ratio Lower Upper
 78 100
 77 24.8 19.0 28.4





#44

Trichloroethene

Concen: 1.242 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016826.D

Acq: 17 Jun 2020 18:51

Instrument :

MSVOA_X

ClientSampleId :

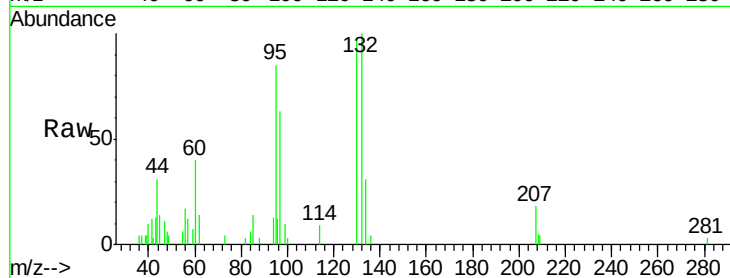
LF015MW047-200616

Tot Ion:130 Resp: 4223

Ion Ratio Lower Upper

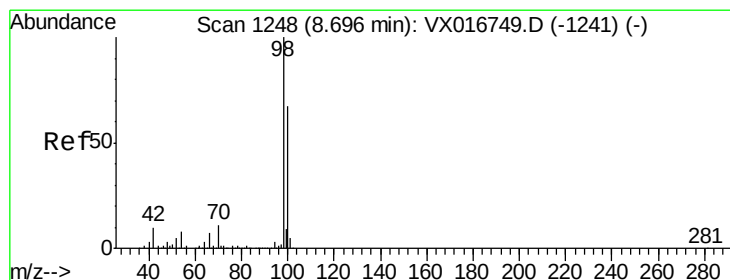
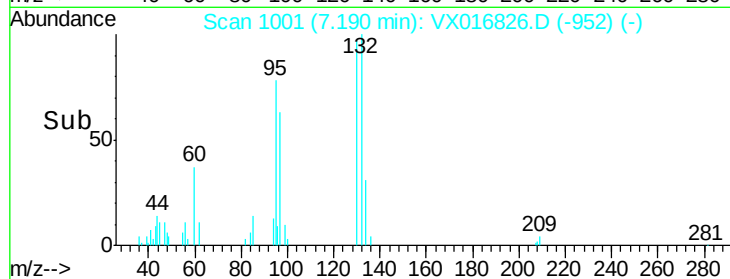
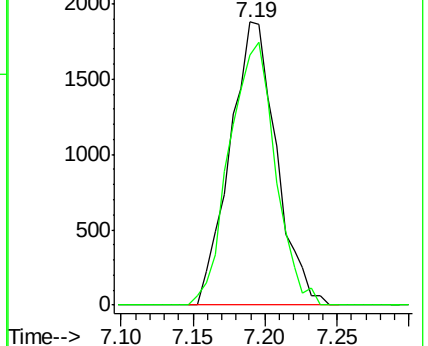
130 100

95 88.2 0.0 183.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 53.476 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016826.D

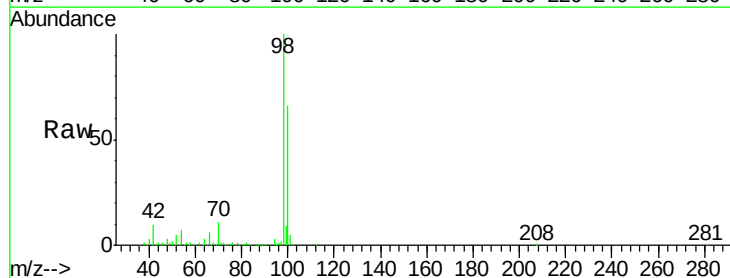
Acq: 17 Jun 2020 18:51

Tgt Ion: 98 Resp: 497008

Ion Ratio Lower Upper

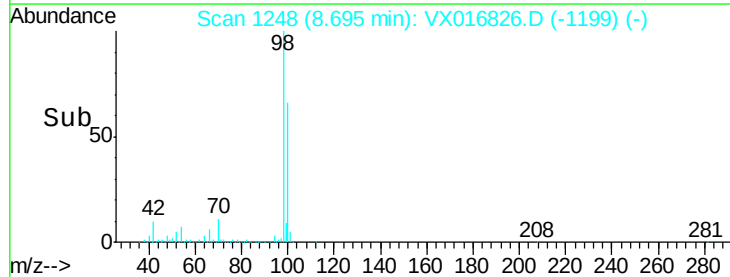
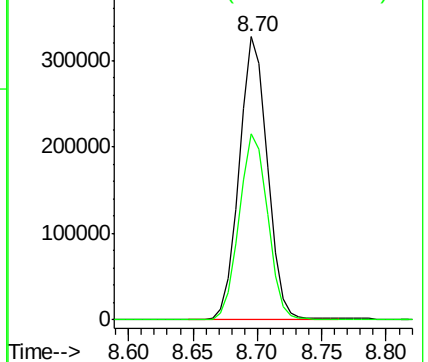
98 100

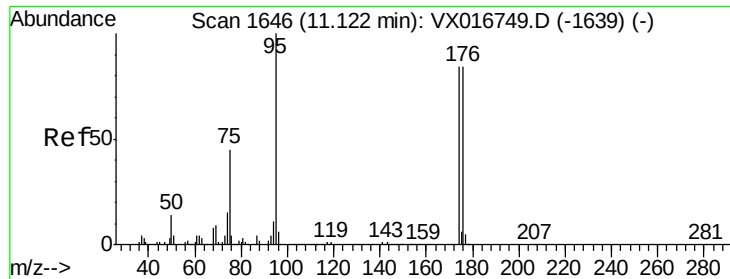
100 66.7 53.9 80.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 57.926 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016826.D

Acq: 17 Jun 2020 18:51

Instrument :

MSVOA_X

ClientSampleId :

LF015MW047-200616

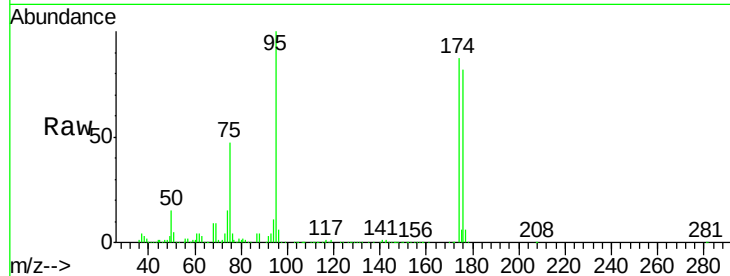
Tot Ion: 95 Resp: 205925

Ion Ratio Lower Upper

95 100

174 87.8 0.0 171.0

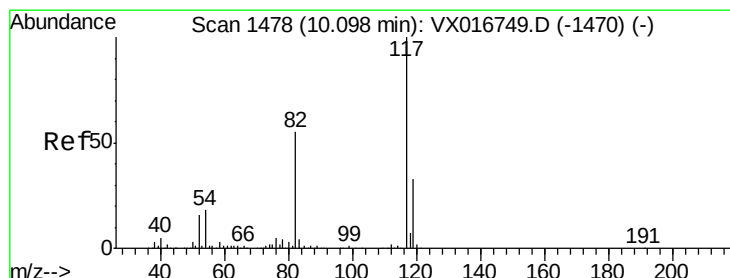
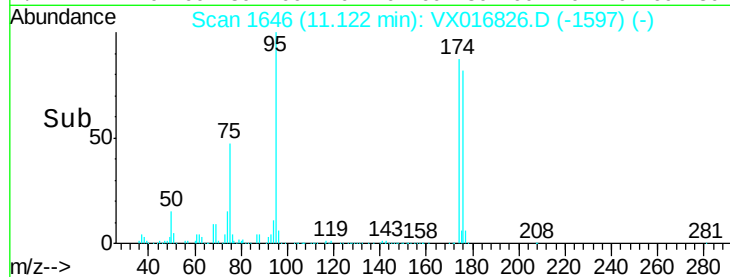
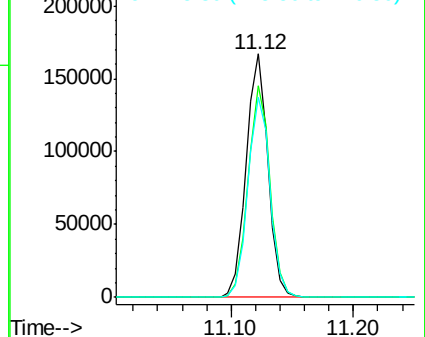
176 84.1 0.0 166.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016826.D

Acq: 17 Jun 2020 18:51

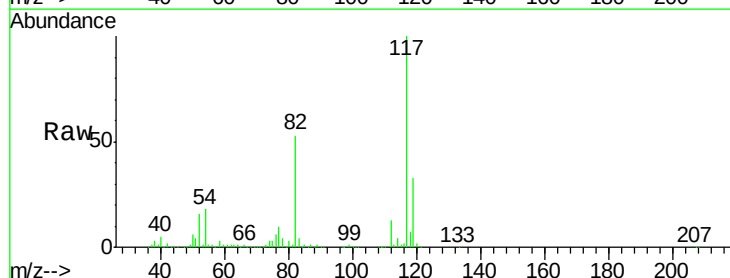
Tgt Ion: 117 Resp: 418031

Ion Ratio Lower Upper

117 100

82 52.6 43.8 65.6

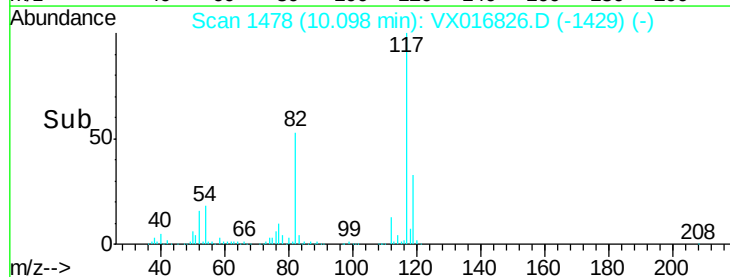
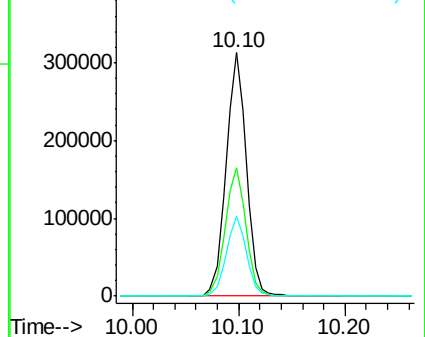
119 32.7 26.2 39.4

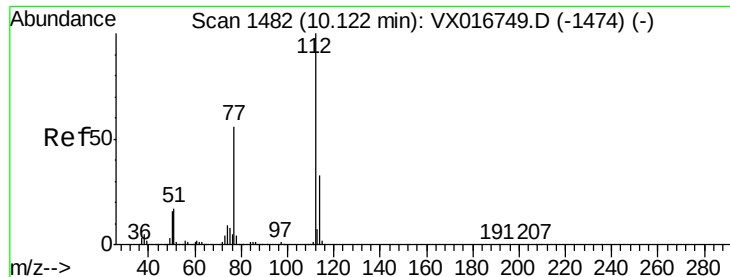


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#65

Chlorobenzene

Concen: 363.576 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016826.D

Acq: 17 Jun 2020 18:51

Instrument :

MSVOA_X

ClientSampleId :

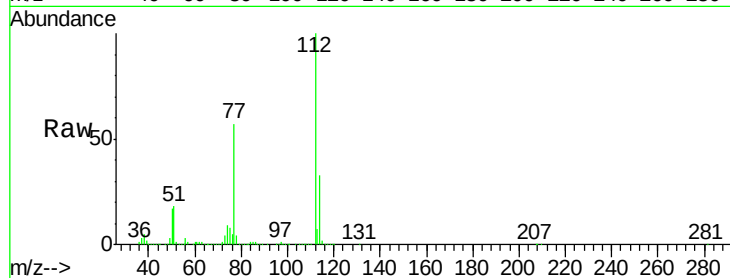
LF015MW047-200616

Tot Ion:112 Resp: 3083949

Ion Ratio Lower Upper

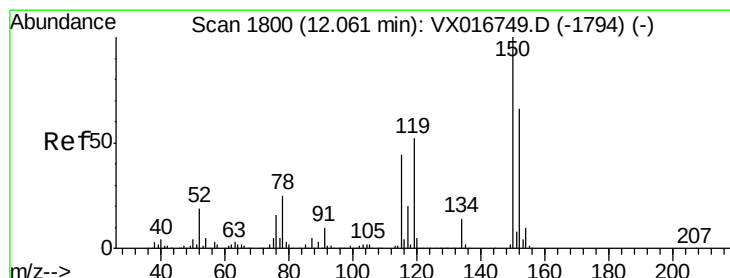
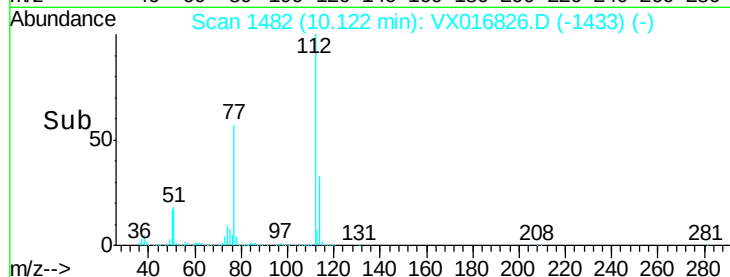
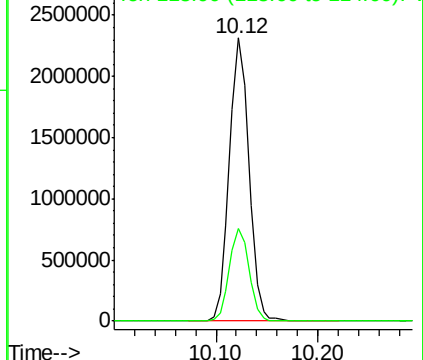
112 100

114 32.8 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016826.D

Acq: 17 Jun 2020 18:51

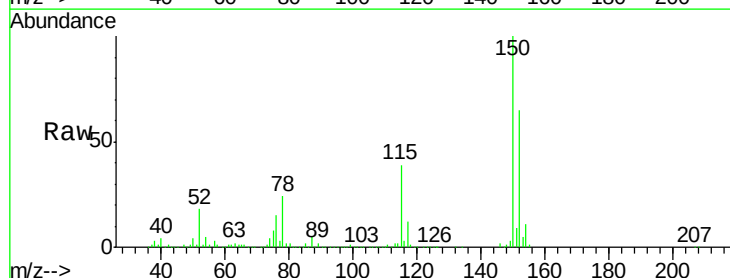
Tgt Ion:152 Resp: 246634

Ion Ratio Lower Upper

152 100

115 58.1 40.3 120.8

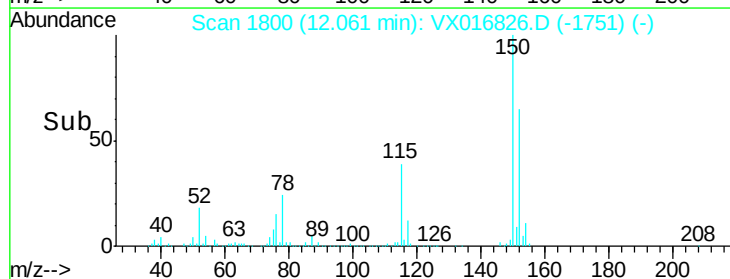
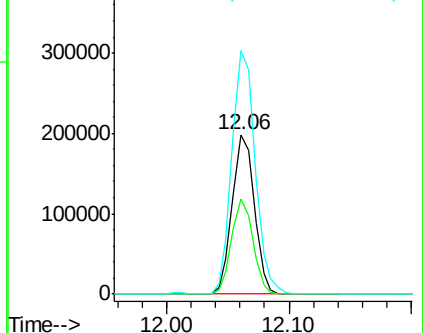
150 161.1 0.0 337.4

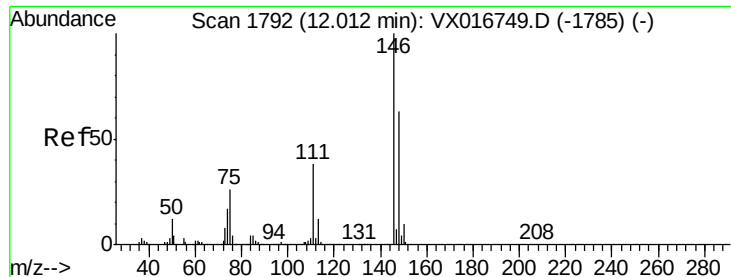


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

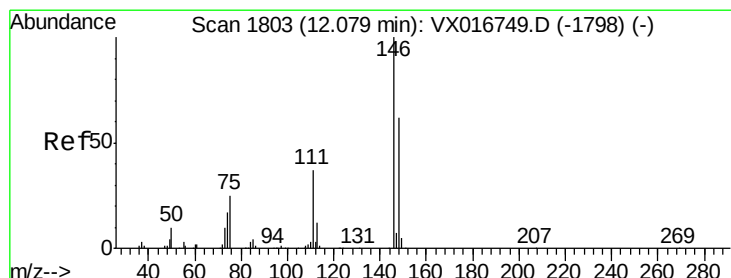
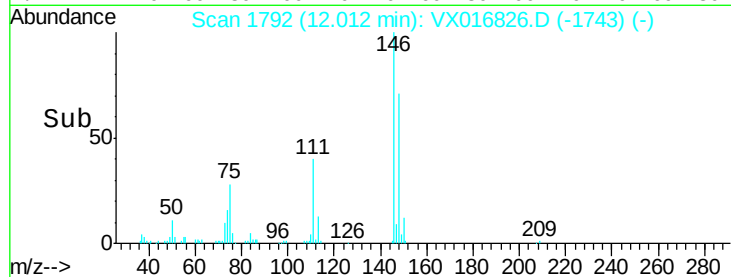
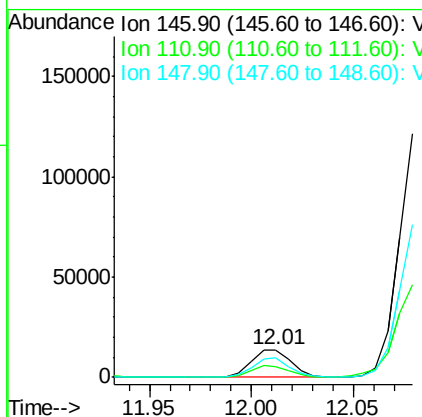
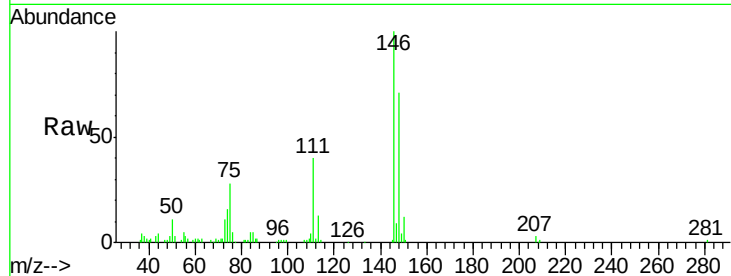




#87
 1,3-Dichlorobenzene
 Concen: 2.409 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX016826.D
 Acq: 17 Jun 2020 18:51

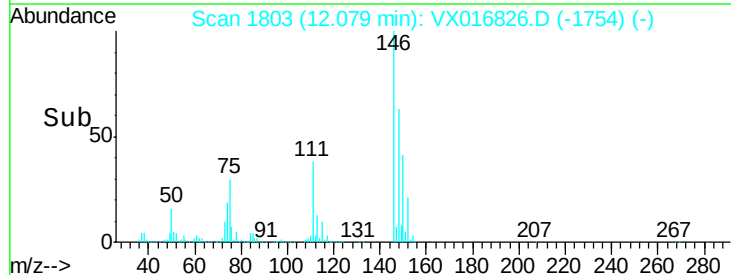
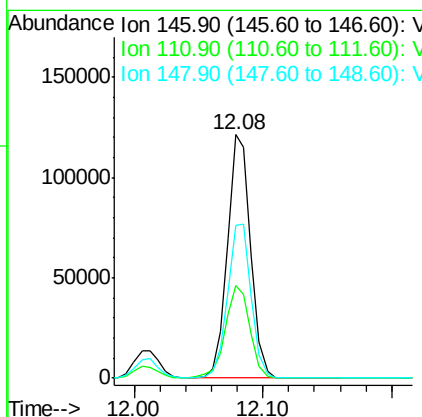
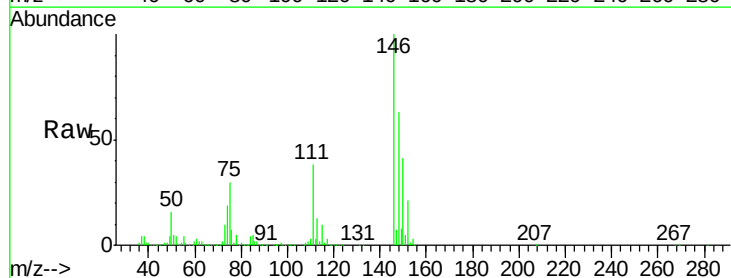
Instrument :
 MSVOA_X
 ClientSampleId :
 LF015MW047-200616

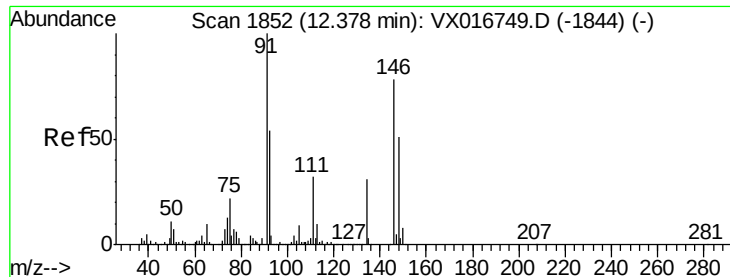
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.8	59.3
148	66.8	31.9	95.7



#88
 1,4-Dichlorobenzene
 Concen: 19.095 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX016826.D
 Acq: 17 Jun 2020 18:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.3	57.8
148	64.9	32.1	96.5

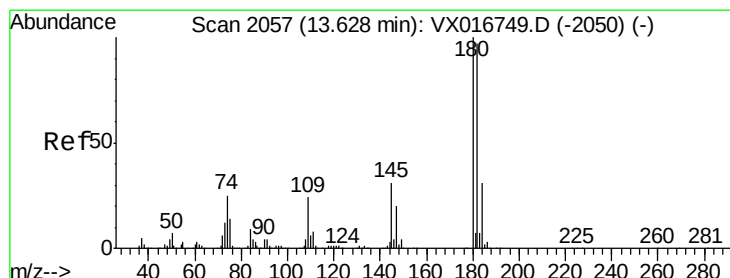
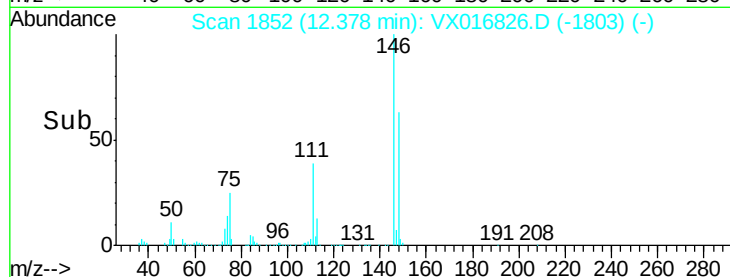
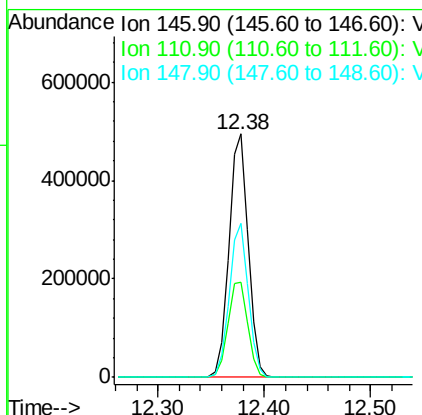
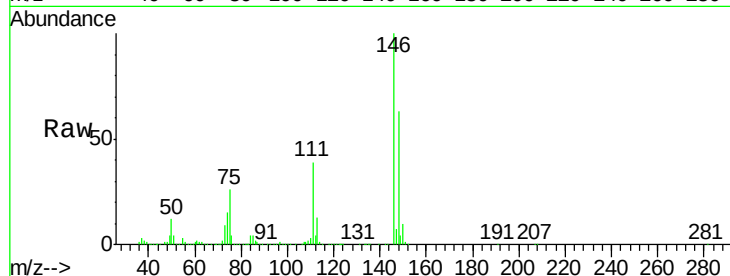




#91
 1,2-Dichlorobenzene
 Concen: 80.906 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX016826.D
 Acq: 17 Jun 2020 18:51

Instrument :
 MSVOA_X
 ClientSampleId :
 LF015MW047-200616

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.8	62.2
148	62.4	32.1	96.5



#93
 1,2,4-Trichlorobenzene
 Concen: 0.315 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016826.D
 Acq: 17 Jun 2020 18:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.9	48.6	145.8
145	60.6	15.4	46.4#

