

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061620\
 Data File : VX016784.D
 Acq On : 16 Jun 2020 17:00
 Operator : JC/SP
 Sample : L3005-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF017MW001-200611

Manual Integrations
 APPROVED

MMDadoda
 6/17/2020 9:34:39 AM

Quant Time: Jun 17 04:43:30 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	226501	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	360285	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	370750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	190713	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	131753	51.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.42%	
35) Dibromofluoromethane	5.46	113	111416	50.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.24%	
50) Toluene-d8	8.70	98	442892	54.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.06%	
62) 4-Bromofluorobenzene	11.12	95	179463	57.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.48%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.39	62	1640	0.622	ug/l	94
8) Diethyl Ether	2.17	74	2722	1.754	ug/l	96
11) Tert butyl alcohol	3.00	59	14814	23.146	ug/l	99
16) Acetone	2.42	43	14956	12.942	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	2716	1.142	ug/l	89
25) 2-Butanone	4.65	43	8720	5.007	ug/l #	80
27) cis-1,2-Dichloroethene	4.57	96	3326	1.223	ug/l	81
29) Tetrahydrofuran	5.10	42	5205	4.613	ug/l	96
44) Trichloroethene	7.19	130	13966	4.658	ug/l	95
49) 1,4-Dioxane	7.71	88	2751	42.919	ug/l #	89
65) Chlorobenzene	10.12	112	182567	24.268	ug/l	96
88) 1,4-Dichlorobenzene	12.08	146	8334m	1.345	ug/l	
91) 1,2-Dichlorobenzene	12.37	146	3616	0.605	ug/l	97

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

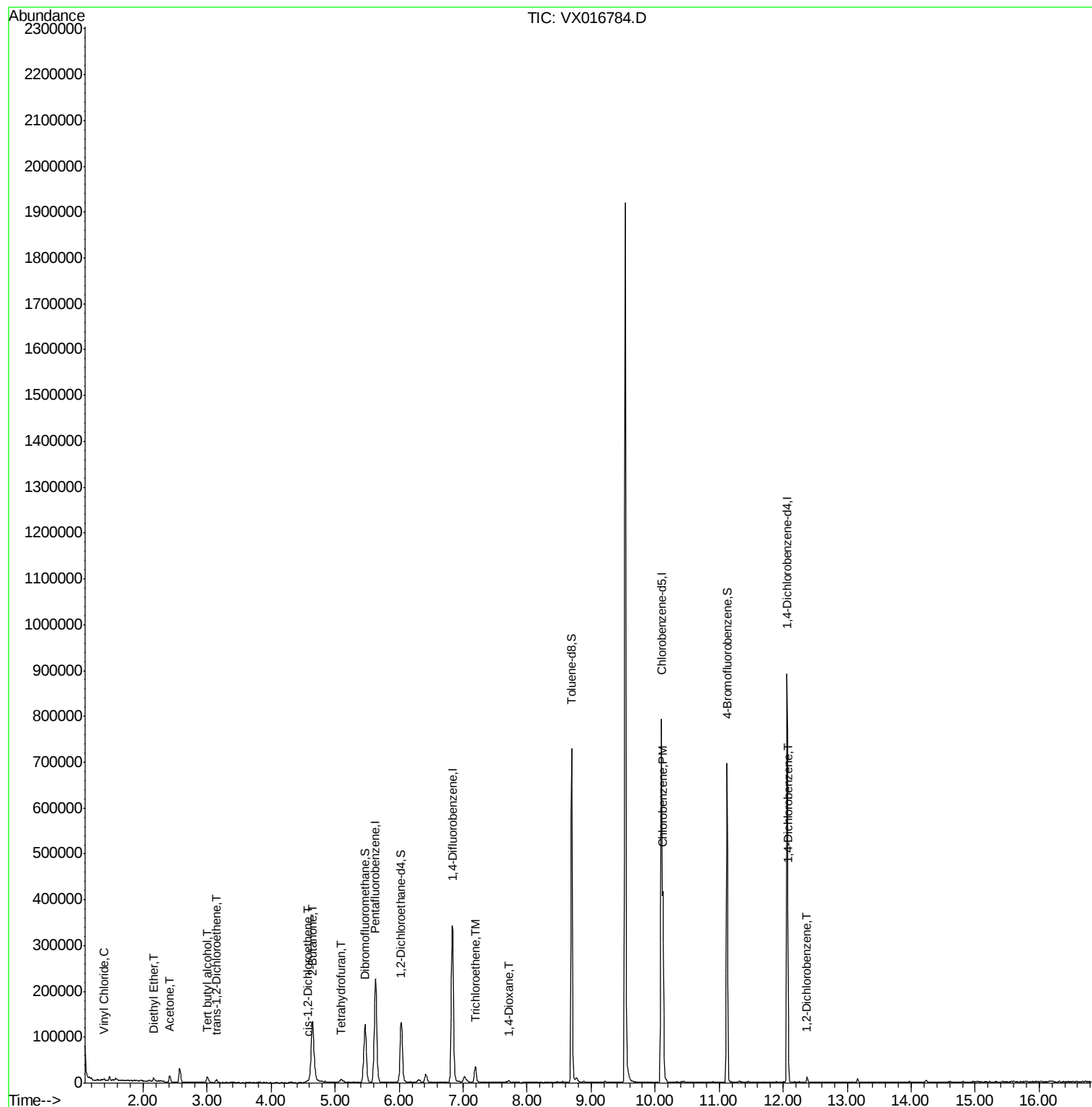
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061620\
Data File : VX016784.D
Acq On : 16 Jun 2020 17:00
Operator : JC/SP
Sample : L3005-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

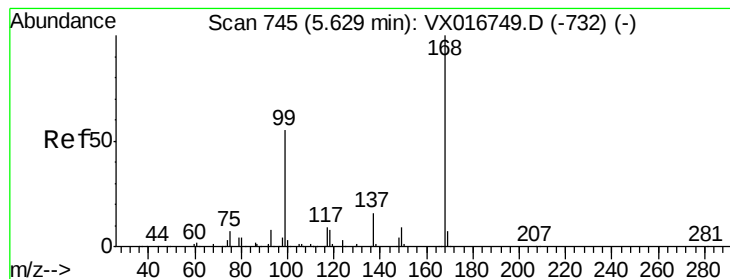
Instrument :
MSVOA_X
ClientSampleId :
LF017MW001-200611

Manual Integrations
APPROVED

MMDadoda
6/17/2020 9:34:39 AM

Quant Time: Jun 17 04:43:30 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061520W.M
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: VX016784.D

Acq: 16 Jun 2020 17:00

Instrument :

MSVOA_X

ClientSampleId :

LF017MW001-200611

Tot Ion:168 Resp: 226501

Ion Ratio Lower Upper

168 100

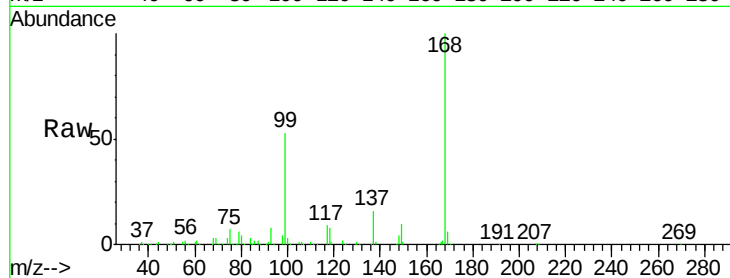
99 53.1 43.8 65.6

Manual Integrations

APPROVED

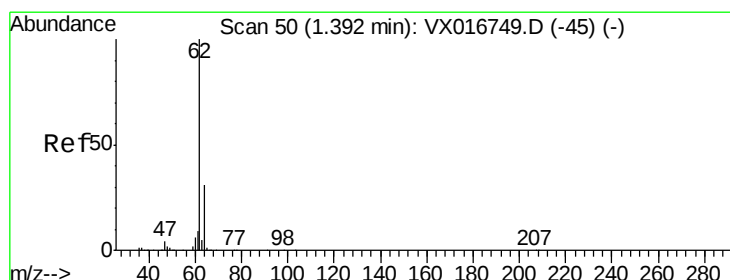
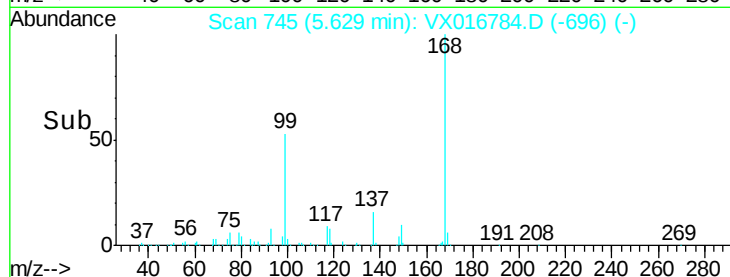
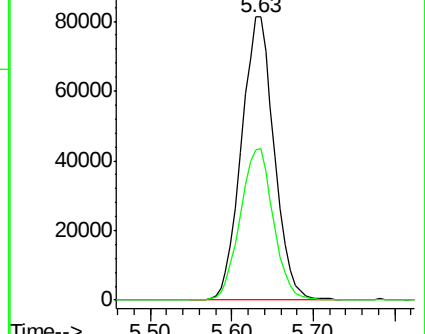
MMDadoda

6/17/2020 9:34:39 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 0.622 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016784.D

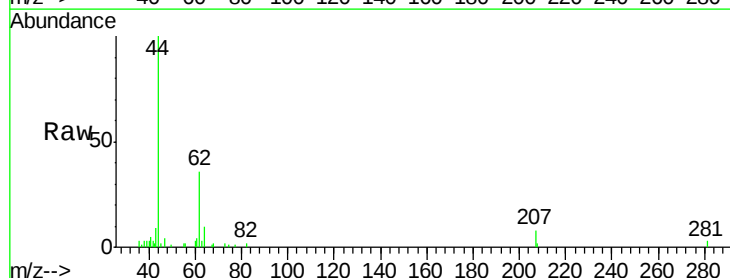
Acq: 16 Jun 2020 17:00

Tgt Ion: 62 Resp: 1640

Ion Ratio Lower Upper

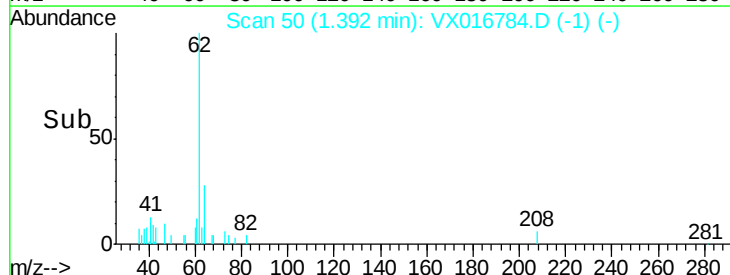
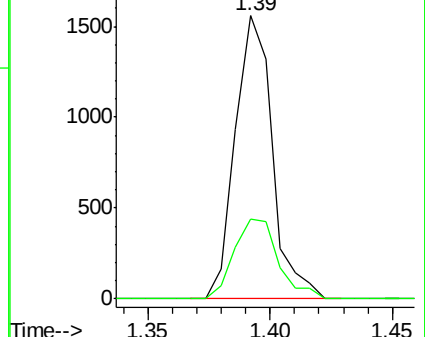
62 100

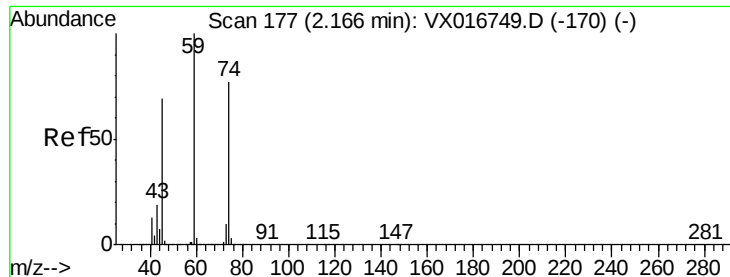
64 28.0 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#8

Diethyl Ether

Concen: 1.754 ug/l

RT: 2.17 min Scan# 177

Delta R.T. -0.00 min

Lab File: VX016784.D

Acq: 16 Jun 2020 17:00

Instrument :

MSVOA_X

ClientSampleId :

LF017MW001-200611

Tot Ion: 74 Resp: 2722

Ion Ratio Lower Upper

74 100

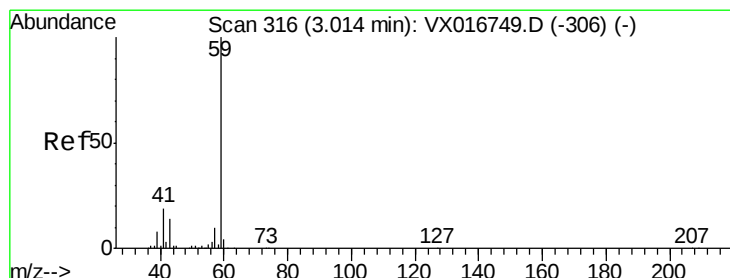
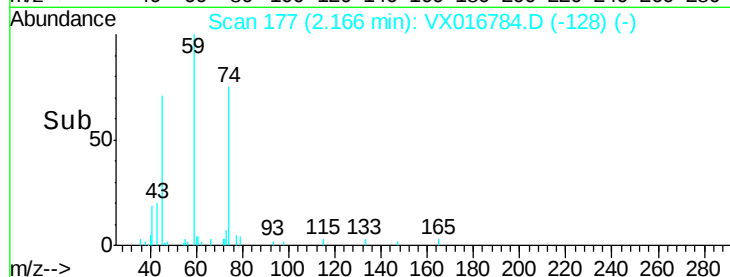
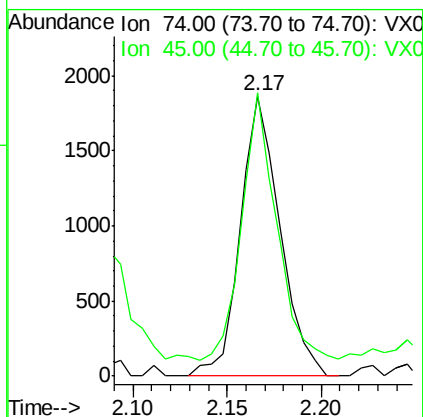
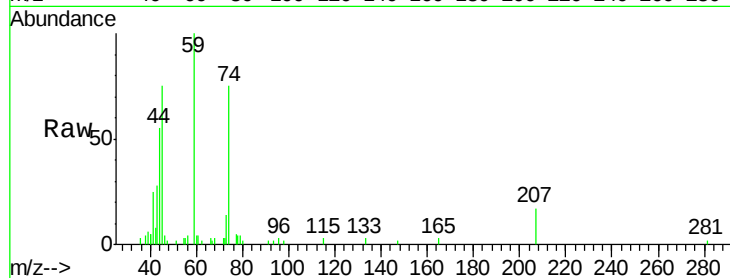
45 83.1 43.5 130.7

Manual Integrations

APPROVED

MMDadoda

6/17/2020 9:34:39 AM



#11

Tert butyl alcohol

Concen: 23.146 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX016784.D

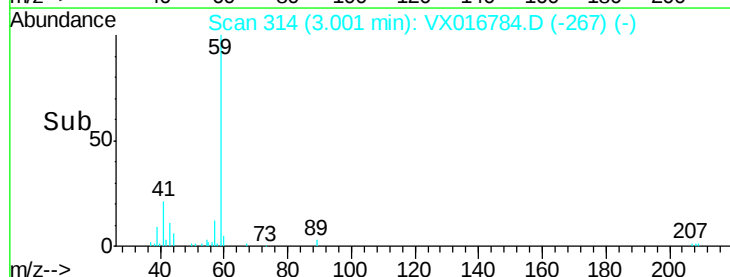
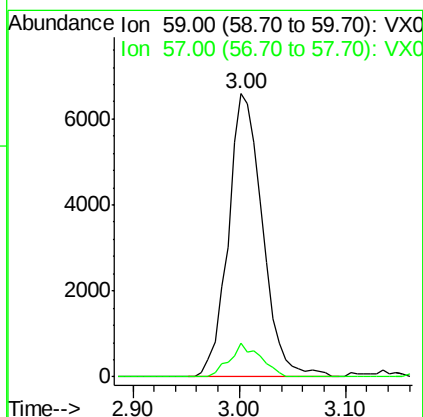
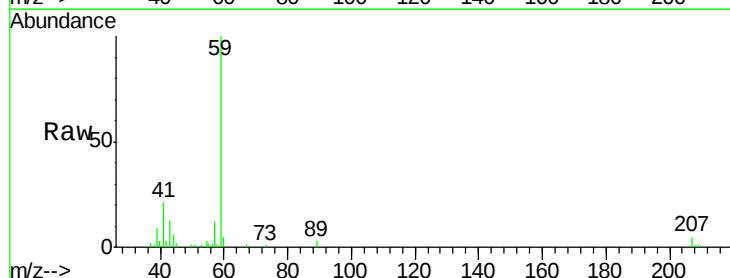
Acq: 16 Jun 2020 17:00

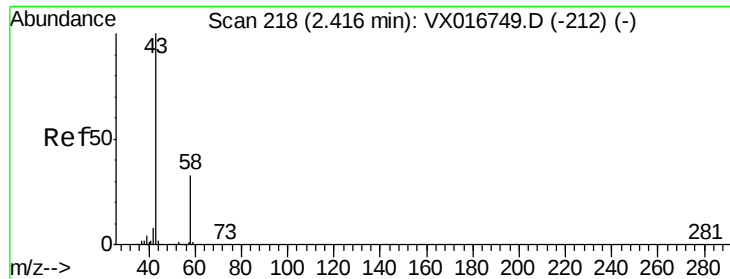
Tgt Ion: 59 Resp: 14814

Ion Ratio Lower Upper

59 100

57 10.6 8.2 12.2





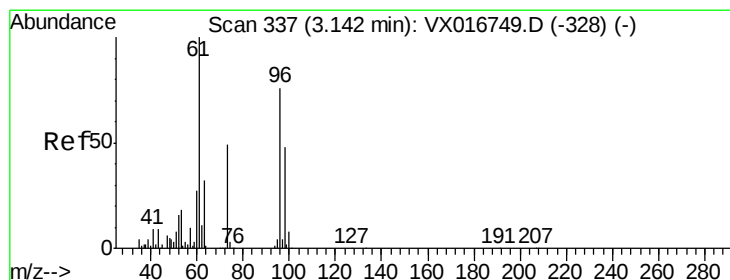
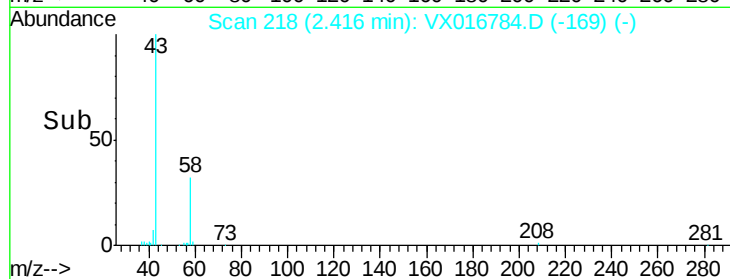
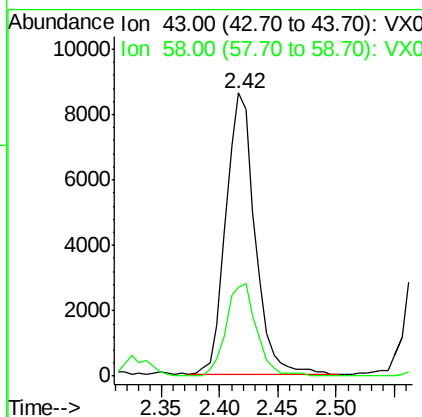
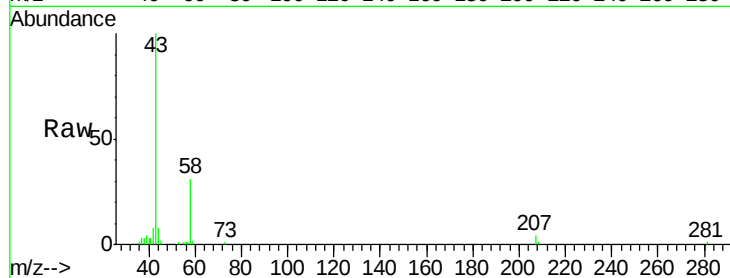
#16
Acetone
Concen: 12.942 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.00 min
Lab File: VX016784.D
Acq: 16 Jun 2020 17:00

Instrument :
MSVOA_X
ClientSampleId :
LF017MW001-200611

Tot Ion	Ratio	Lower	Upper
43	100		
58	31.6	26.3	39.5

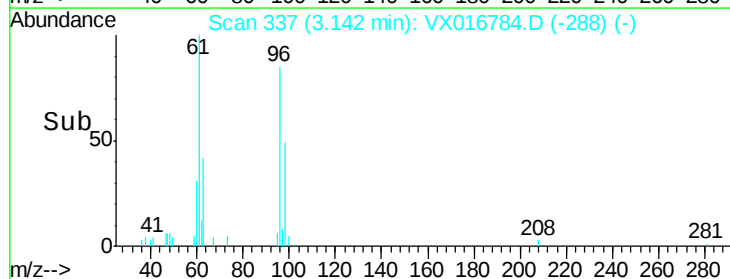
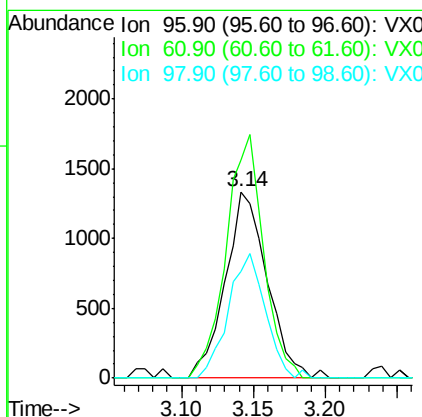
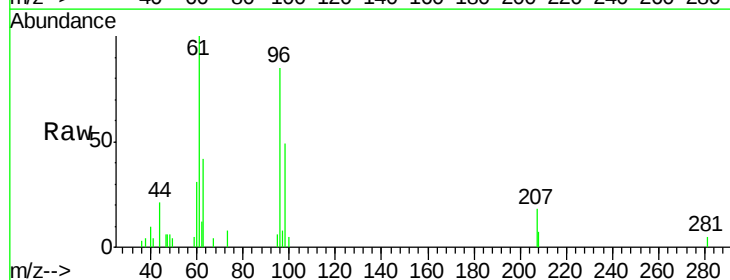
Manual Integrations
APPROVED

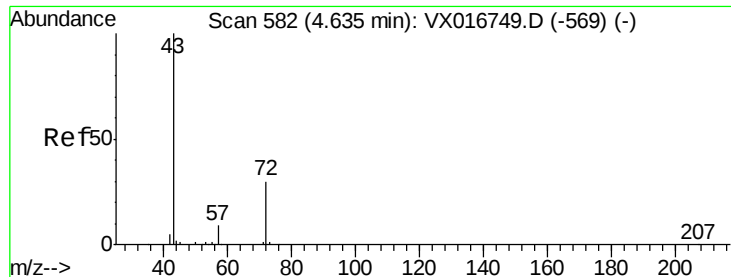
MMDadoda
6/17/2020 9:34:39 AM



#21
trans-1,2-Dichloroethene
Concen: 1.142 ug/l
RT: 3.14 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX016784.D
Acq: 16 Jun 2020 17:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	117.5	105.4	158.2
98	57.5	50.8	76.2





#25

2-Butanone

Concen: 5.007 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX016784.D

Acq: 16 Jun 2020 17:00

Instrument :

MSVOA_X

ClientSampleId :

LF017MW001-200611

Tot Ion: 43 Resp: 8720

Ion Ratio Lower Upper

43 100

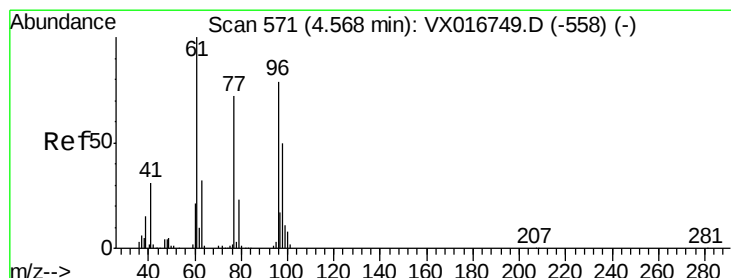
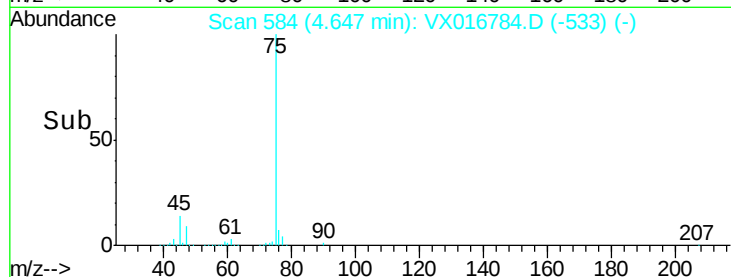
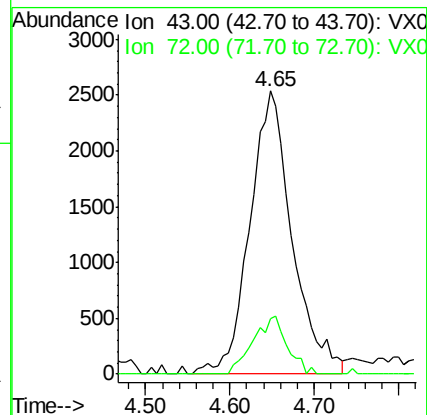
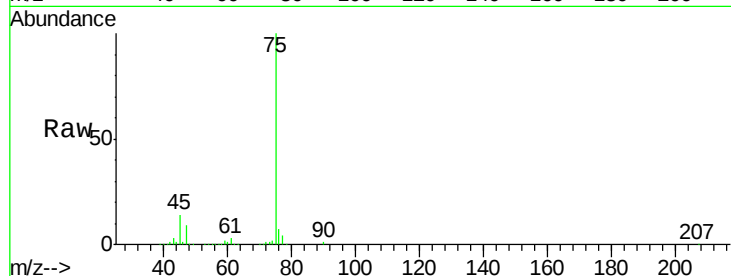
72 19.4 24.2 36.4#

Manual Integrations

APPROVED

MMDadoda

6/17/2020 9:34:39 AM



#27

cis-1,2-Dichloroethene

Concen: 1.223 ug/l

RT: 4.57 min Scan# 571

Delta R.T. -0.00 min

Lab File: VX016784.D

Acq: 16 Jun 2020 17:00

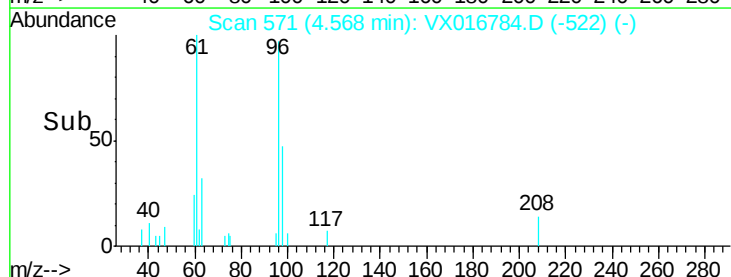
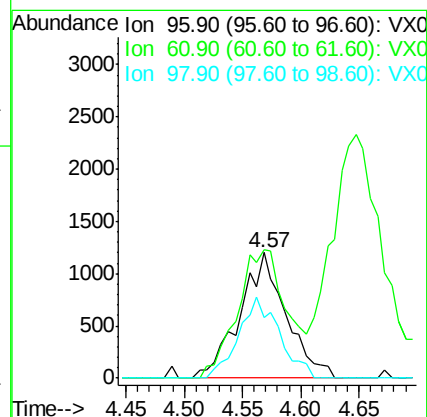
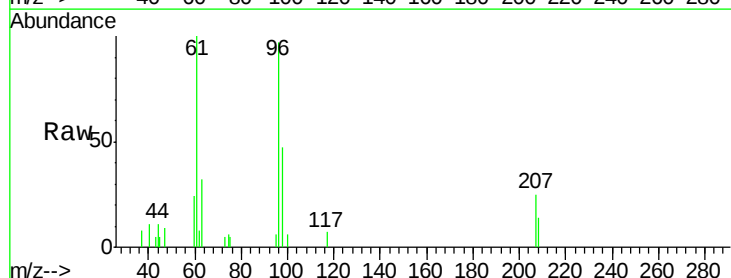
Tgt Ion: 96 Resp: 3326

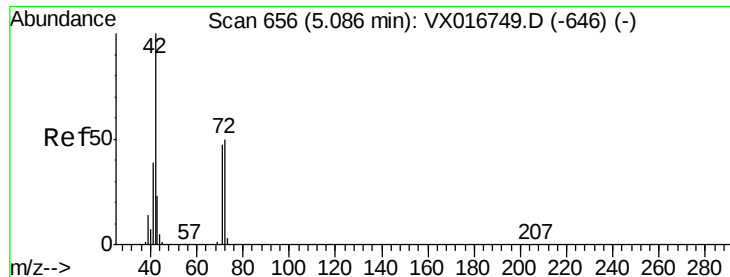
Ion Ratio Lower Upper

96 100

61 110.0 0.0 276.2

98 56.3 0.0 130.0





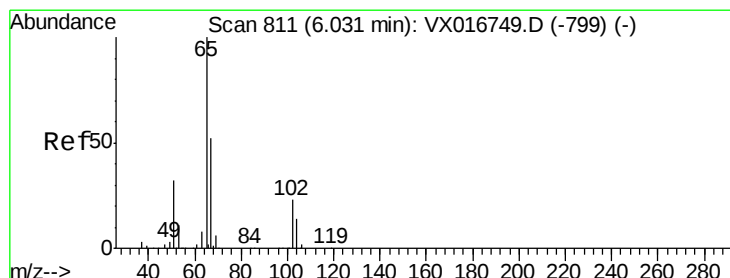
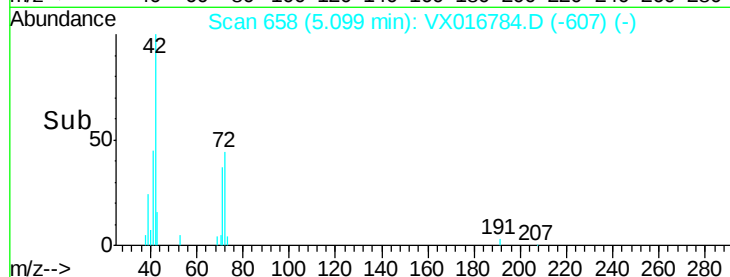
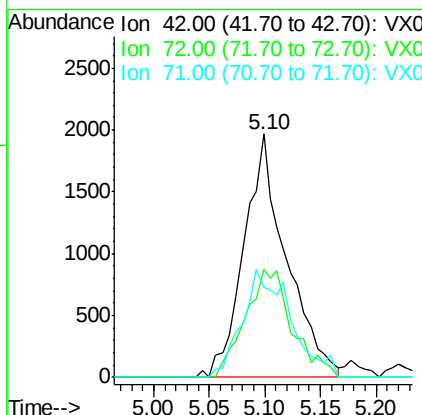
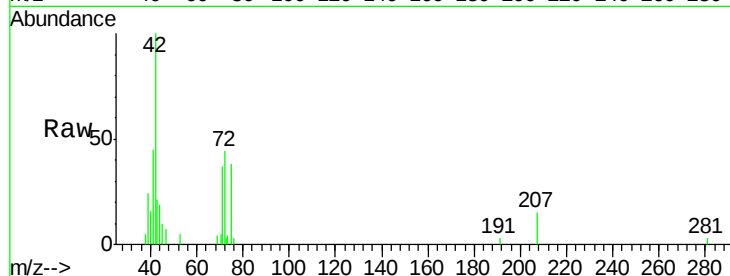
#29
Tetrahydrofuran
Concen: 4.613 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX016784.D
Acq: 16 Jun 2020 17:00

Instrument :
MSVOA_X
ClientSampleId :
LF017MW001-200611

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.1	41.0	61.6
71	50.5	38.2	57.4

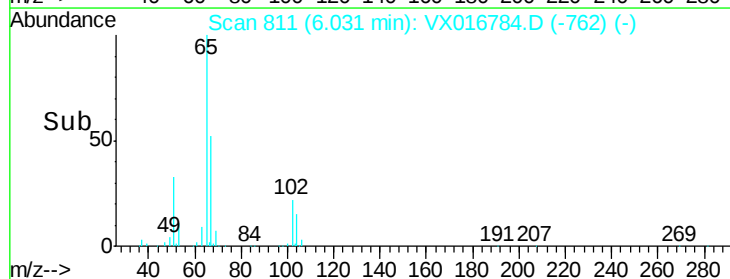
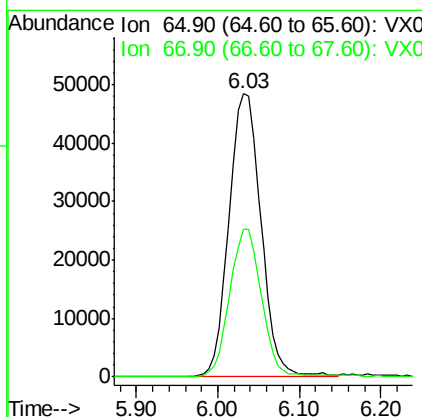
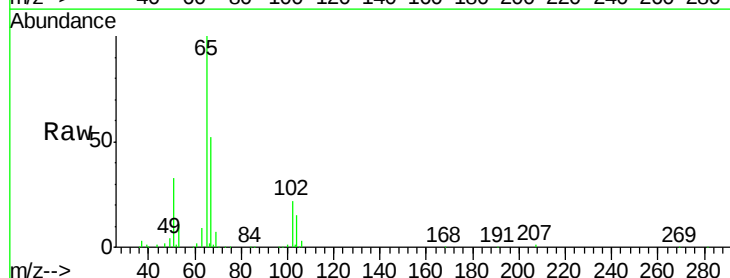
Manual Integrations
APPROVED

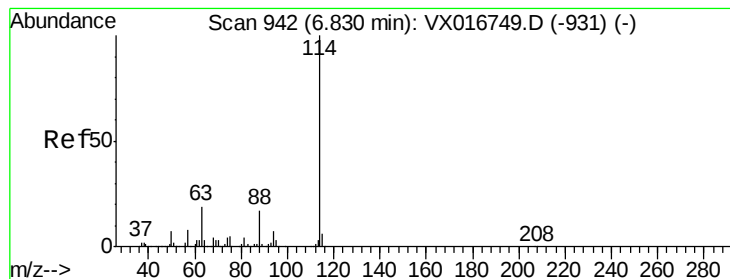
MMDadoda
6/17/2020 9:34:39 AM



#33
1,2-Dichloroethane-d4
Concen: 51.715 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX016784.D
Acq: 16 Jun 2020 17:00

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.5	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: VX016784.D

Acq: 16 Jun 2020 17:00

Instrument :

MSVOA_X

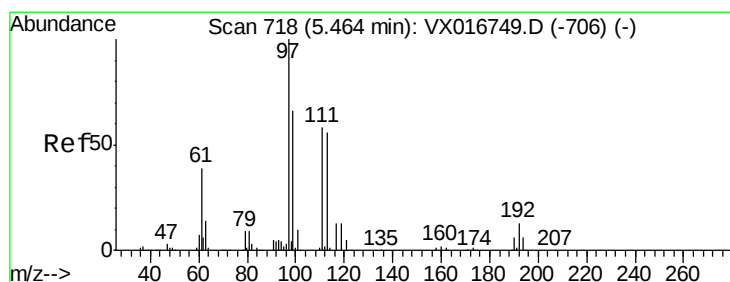
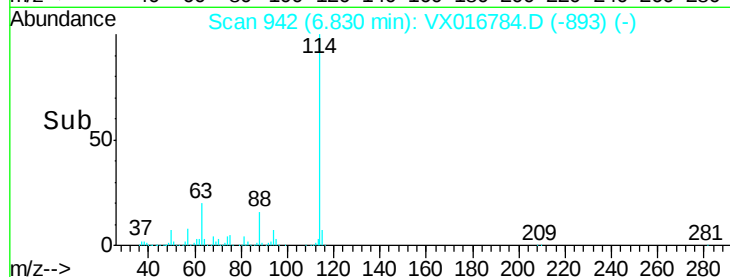
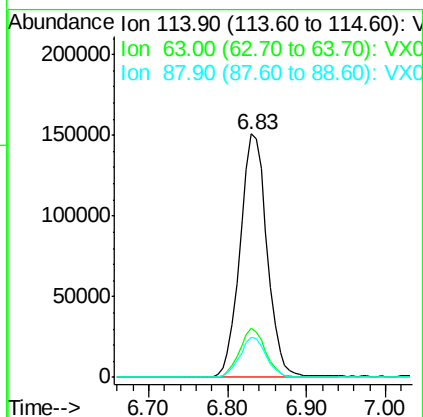
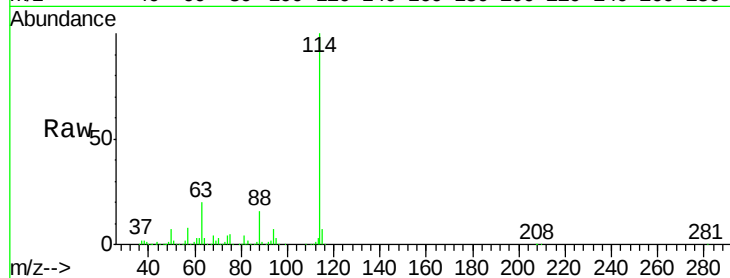
ClientSampleId :

LF017MW001-200611

Tot Ion:	114	Resp:	360285
Ion Ratio		Lower	Upper
114	100		
63	20.0	0.0	38.8
88	16.5	0.0	33.4

Manual Integrations
APPROVED

MMDadoda
6/17/2020 9:34:39 AM



#35

Dibromofluoromethane

Concen: 50.122 ug/l

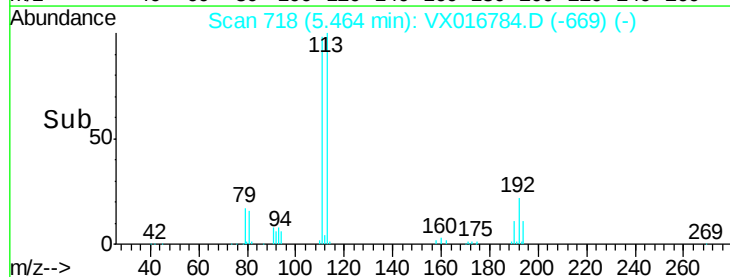
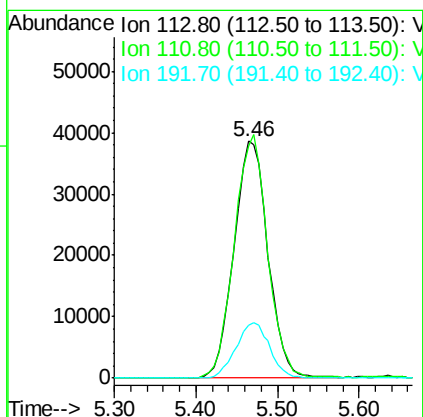
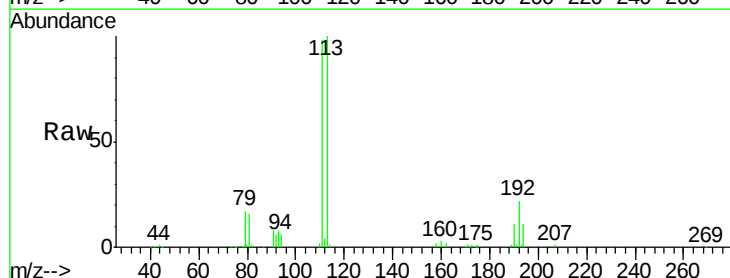
RT: 5.46 min Scan# 718

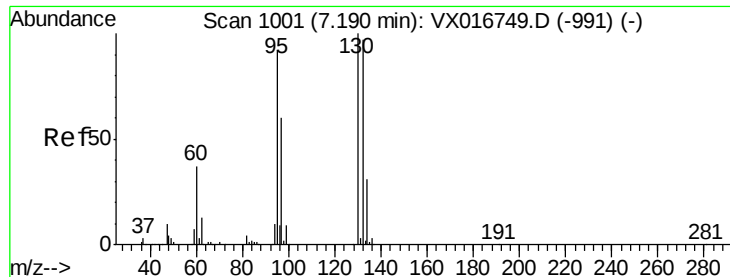
Delta R.T. -0.00 min

Lab File: VX016784.D

Acq: 16 Jun 2020 17:00

Tgt Ion:	113	Resp:	111416
Ion Ratio		Lower	Upper
113	100		
111	100.5	81.8	122.6
192	23.2	18.2	27.4





#44

Trichloroethene

Concen: 4.658 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016784.D

Acq: 16 Jun 2020 17:00

Instrument :

MSVOA_X

ClientSampleId :

LF017MW001-200611

Tot Ion:130 Resp: 13966

Ion Ratio Lower Upper

130 100

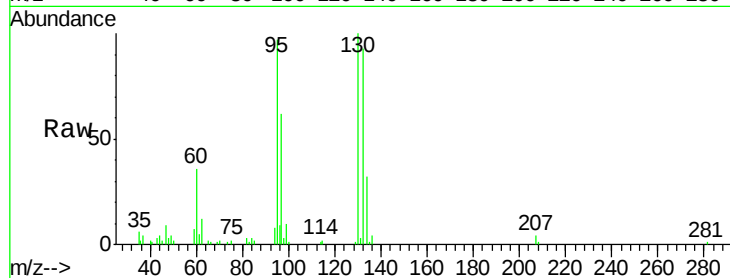
95 96.8 0.0 183.6

Manual Integrations

APPROVED

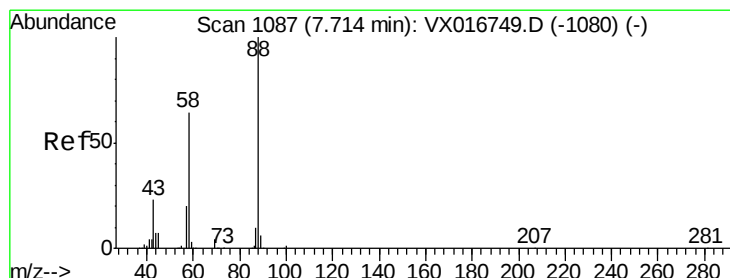
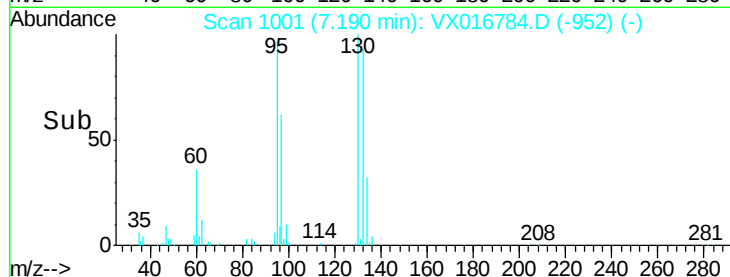
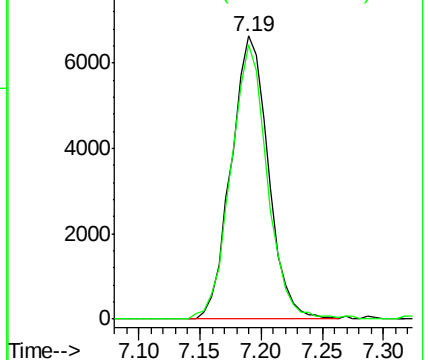
MMDadoda

6/17/2020 9:34:39 AM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 42.919 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX016784.D

Acq: 16 Jun 2020 17:00

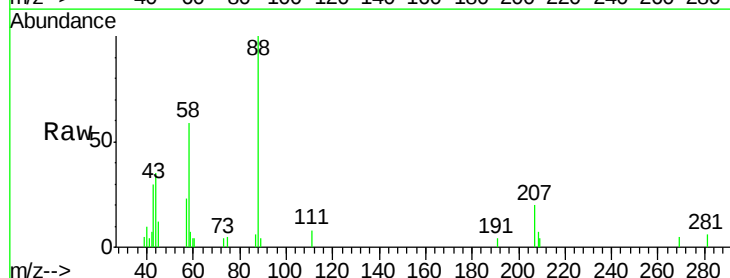
Tgt Ion: 88 Resp: 2751

Ion Ratio Lower Upper

88 100

43 43.5 22.9 34.3#

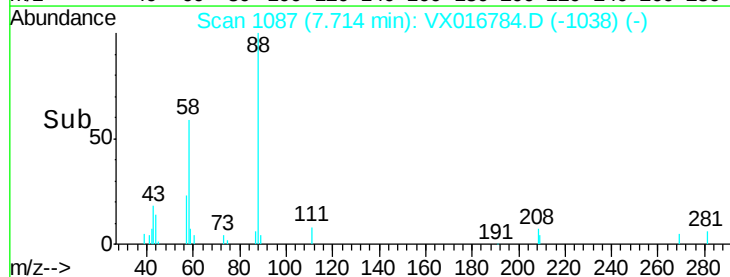
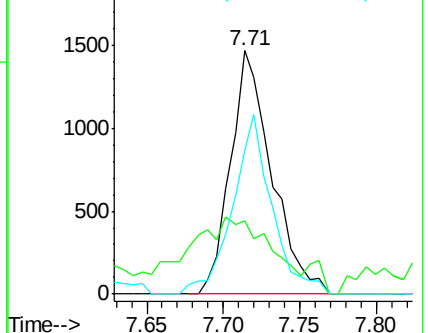
58 69.8 53.7 80.5

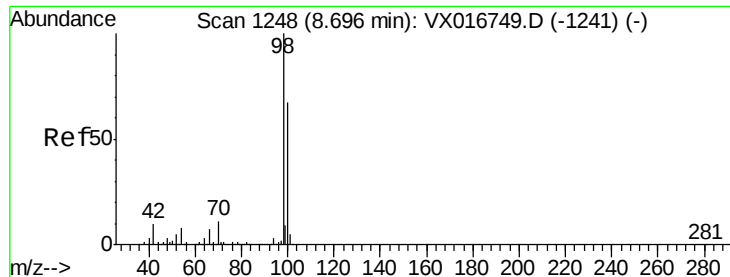


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





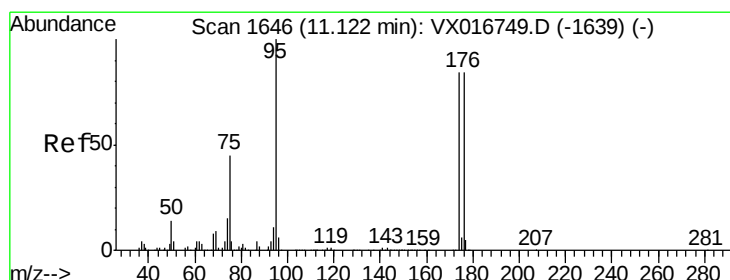
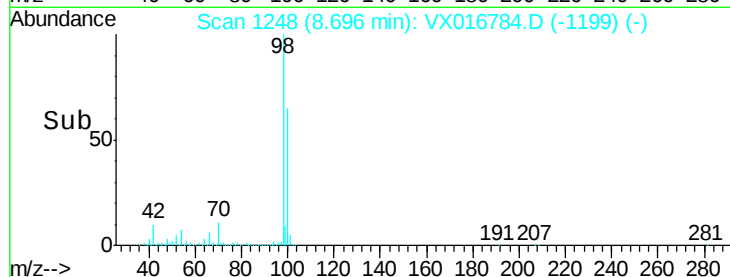
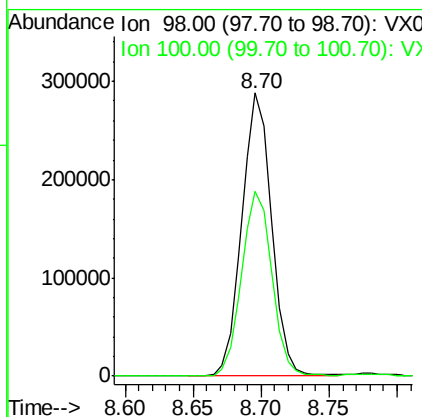
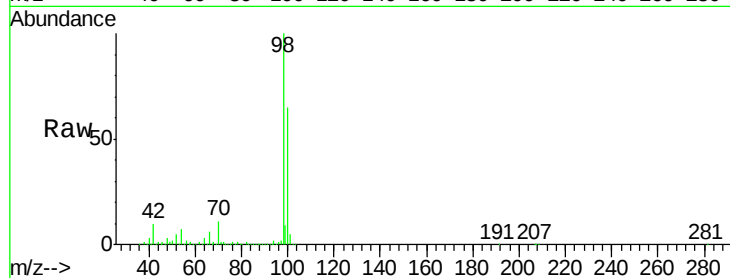
#50
Toluene-d8
Concen: 54.035 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016784.D
Acq: 16 Jun 2020 17:00

Instrument :
MSVOA_X
ClientSampleId :
LF017MW001-200611

Tot Ion	98	Resp	442892
Ion Ratio	100	Lower	Upper
98	100		
100	66.1	53.9	80.9

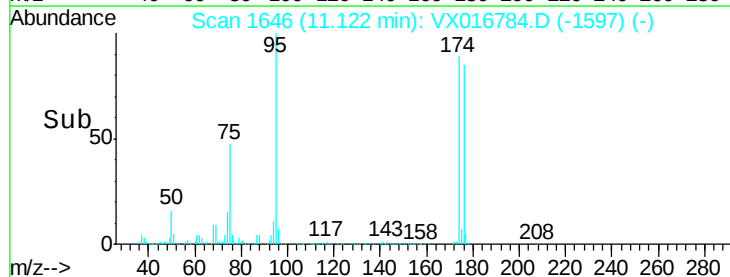
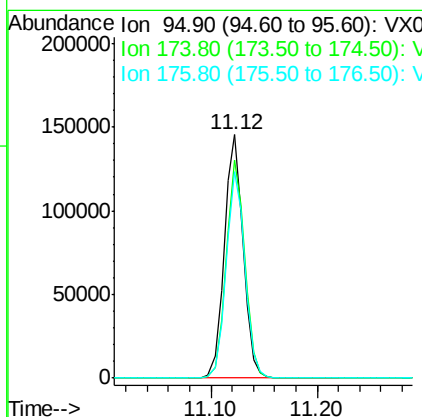
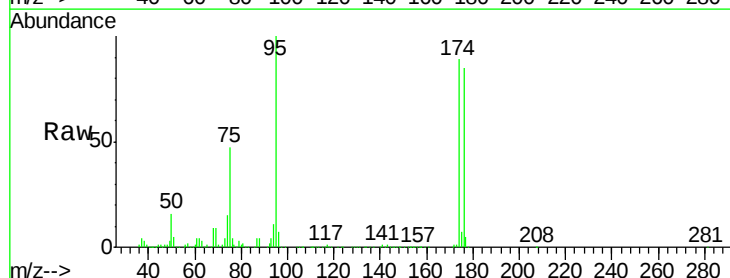
Manual Integrations
APPROVED

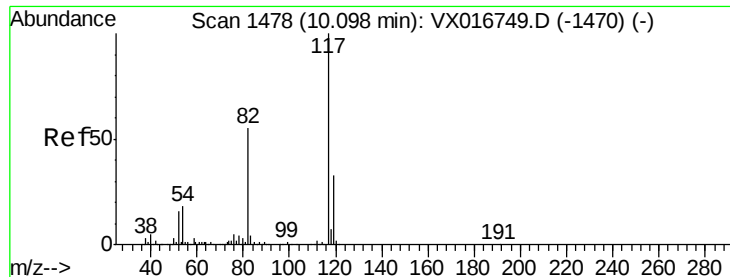
MMDadoda
6/17/2020 9:34:39 AM



#62
4-Bromofluorobenzene
Concen: 57.243 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016784.D
Acq: 16 Jun 2020 17:00

Tgt Ion	95	Resp	179463
Ion Ratio	100	Lower	Upper
95	100		
174	89.2	0.0	171.0
176	85.0	0.0	166.2





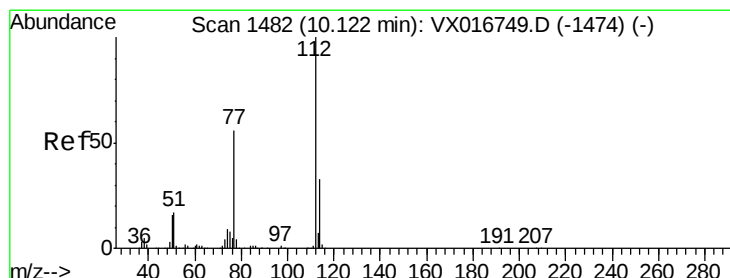
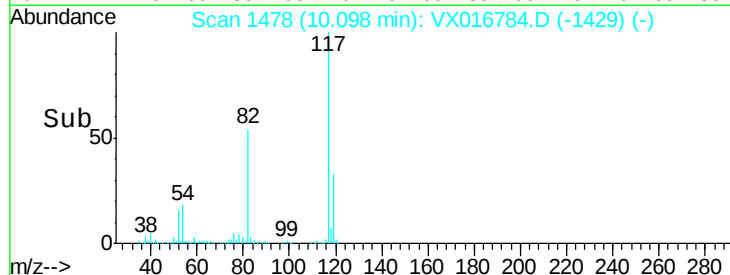
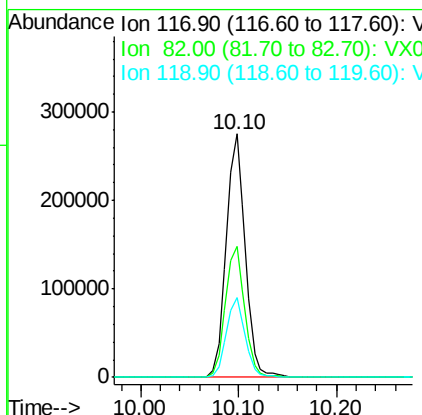
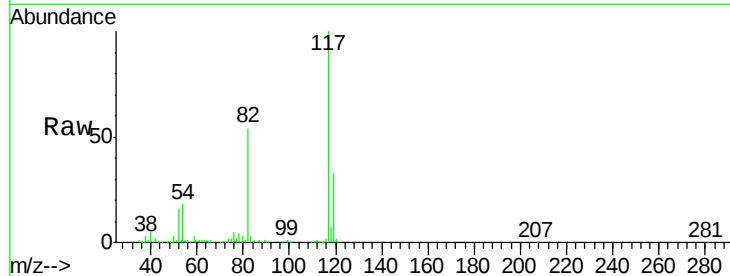
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016784.D
Acq: 16 Jun 2020 17:00

Instrument :
MSVOA_X
ClientSampleId :
LF017MW001-200611

Tot Ion	Ratio	Resp	Lower	Upper
117	100	370750		
82	54.0		43.8	65.6
119	32.8		26.2	39.4

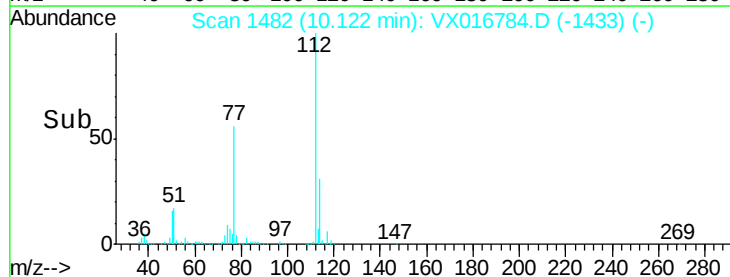
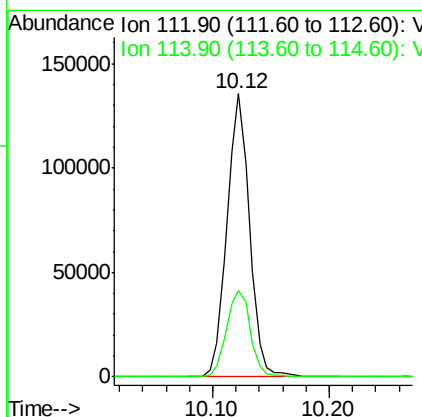
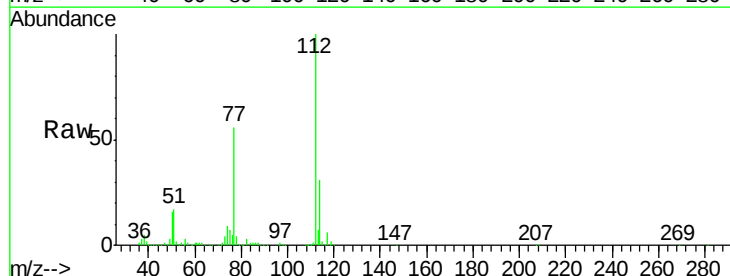
Manual Integrations
APPROVED

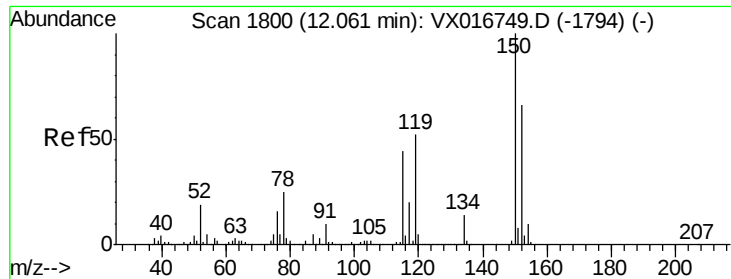
MMDadoda
6/17/2020 9:34:39 AM



#65
Chlorobenzene
Concen: 24.268 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016784.D
Acq: 16 Jun 2020 17:00

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	182567		
114	30.7		26.2	39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016784.D

Acq: 16 Jun 2020 17:00

Instrument :

MSVOA_X

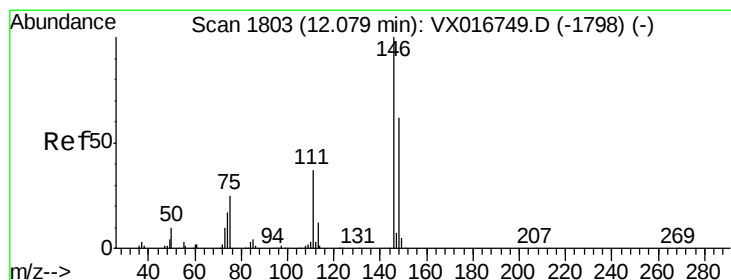
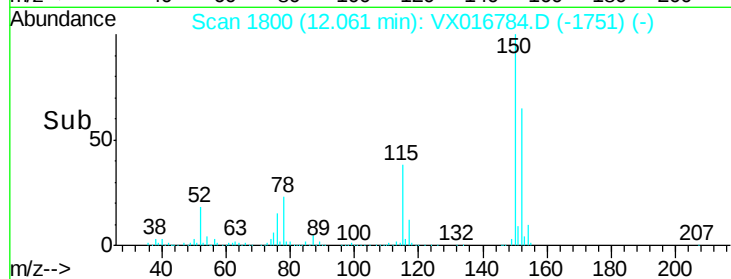
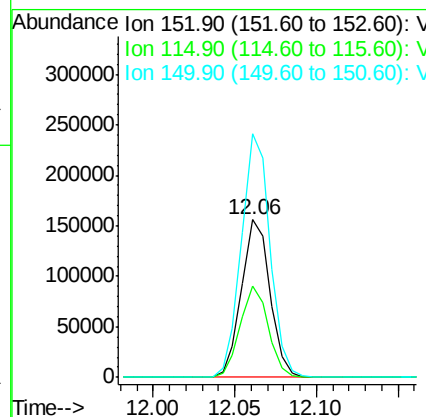
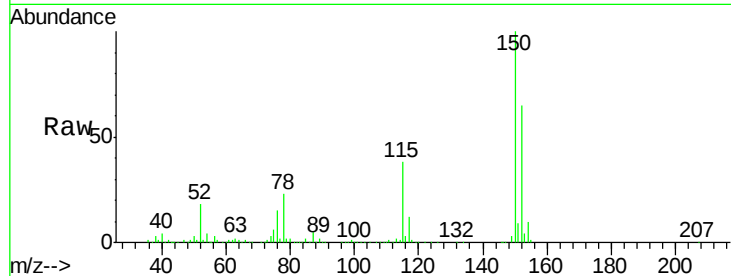
ClientSampleId :

LF017MW001-200611

Tot Ion	Ratio	Resp	Lower	Upper
152	100	190713		
115	57.0	40.3	120.8	
150	154.8	0.0	337.4	

Manual Integrations
APPROVED

MMDadoda
6/17/2020 9:34:39 AM



#88

1,4-Dichlorobenzene

Concen: 1.345 ug/l m

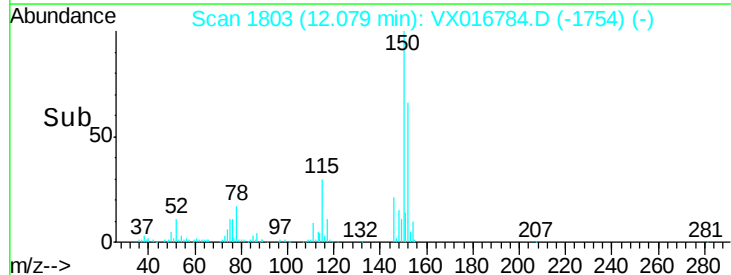
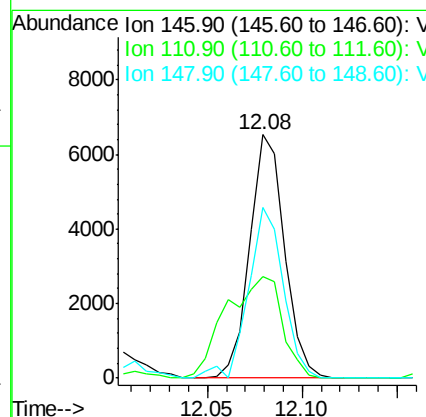
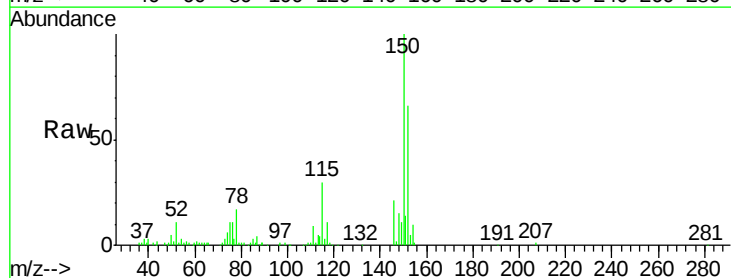
RT: 12.08 min Scan# 1803

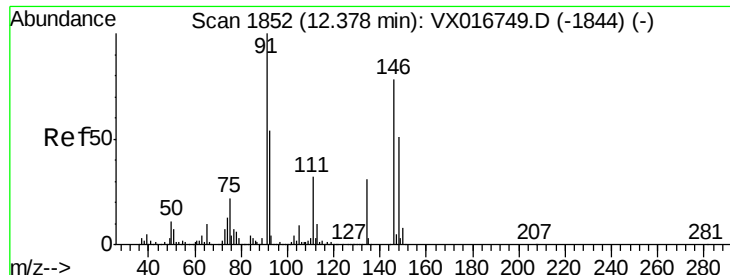
Delta R.T. -0.00 min

Lab File: VX016784.D

Acq: 16 Jun 2020 17:00

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	8334		
111	2.5	19.3	57.8#	
148	6.1	32.1	96.5#	





#91
 1,2-Dichlorobenzene
 Concen: 0.605 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: VX016784.D
 Acq: 16 Jun 2020 17:00

Instrument :
 MSVOA_X
 ClientSampleId :
 LF017MW001-200611

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.8	62.2
148	59.9	32.1	96.5

Manual Integrations
 APPROVED

MMDadoda
 6/17/2020 9:34:39 AM

