

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
 Data File : VX002643.D
 Acq On : 16 Jun 2018 12:56
 Operator : JC/MD
 Sample : J3477-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0134

Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 5:12:10 PM

Quant Time: Jun 18 09:08:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	215235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	302391	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	285171	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	163166	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	143942	44.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.02%	
35) Dibromofluoromethane	5.51	113	110589	45.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.64%	
50) Toluene-d8	8.72	98	433942	47.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.72%	
62) 4-Bromofluorobenzene	11.14	95	152208	43.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	36958	13.10	ug/l	# 87
16) Acetone	2.45	43	11296	7.83	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	20398	7.82	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	38531	14.51	ug/l	89
40) Benzene	6.15	78	19737	2.05	ug/l	92
44) Trichloroethene	7.22	130	1723	0.62	ug/l	92
65) Chlorobenzene	10.14	112	167184	23.87	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	2013	0.36	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	8330m	1.47	ug/l	
91) 1,2-Dichlorobenzene	12.40	146	9410	1.68	ug/l	97

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

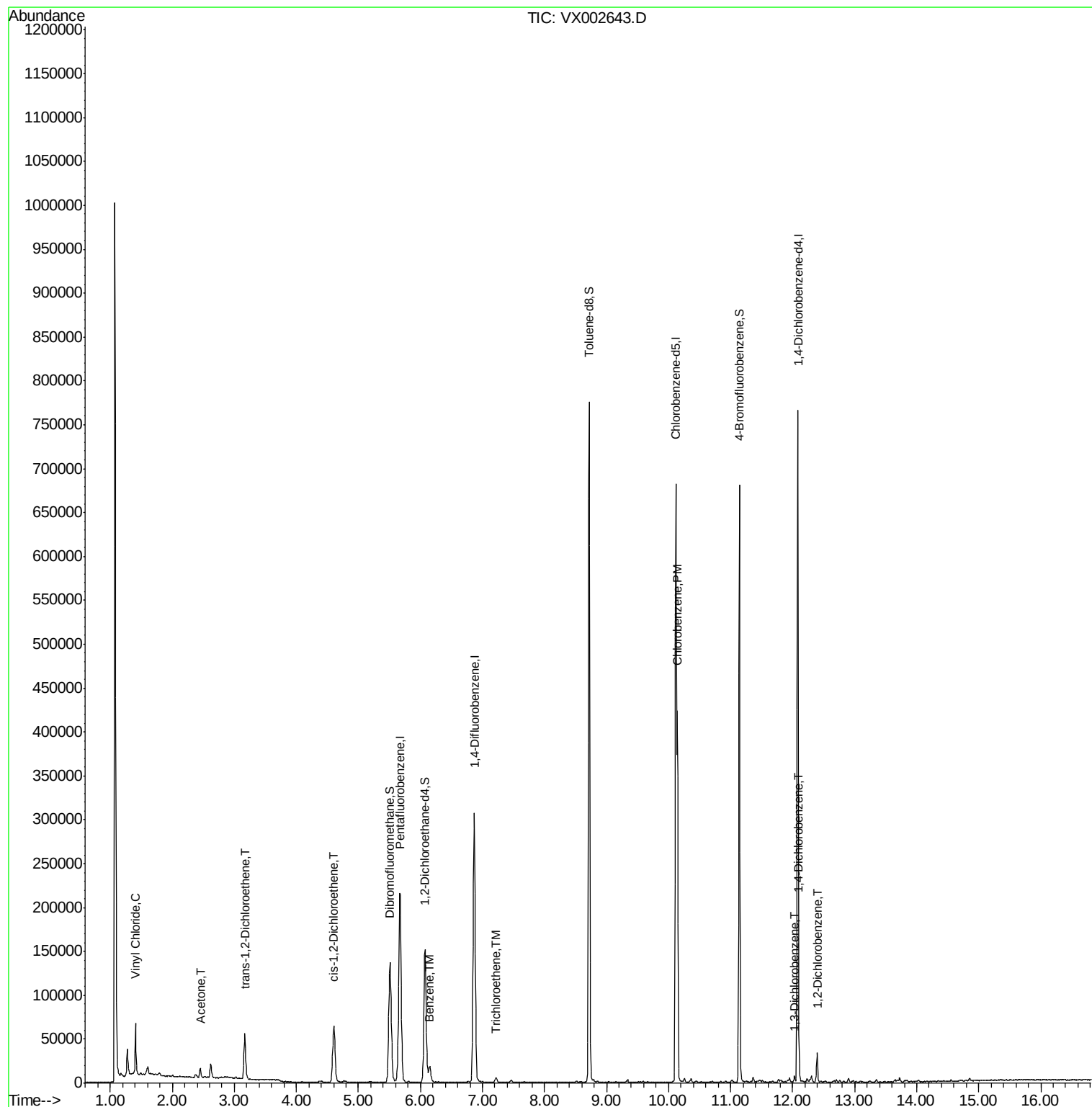
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061518\
Data File : VX002643.D
Acq On : 16 Jun 2018 12:56
Operator : JC/MD
Sample : J3477-08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 54 Sample Multiplier: 1

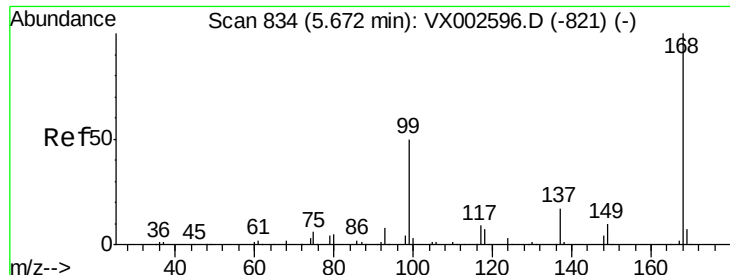
Instrument :
MSVOA_X
ClientSampleId :
S36-0134

Manual Integrations
APPROVED

MMDadoda
6/18/2018 5:12:10 PM

Quant Time: Jun 18 09:08:17 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:37:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002643.D

Acq: 16 Jun 2018 12:56

Instrument :

MSVOA_X

ClientSampled :

S36-0134

Tot Ion:168 Resp: 215235

Ion Ratio Lower Upper

168 100

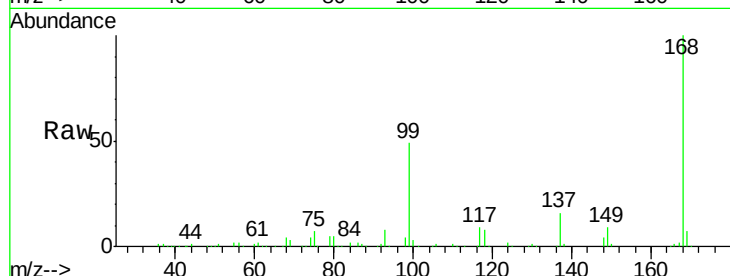
99 48.7 39.3 58.9

Manual Integrations

APPROVED

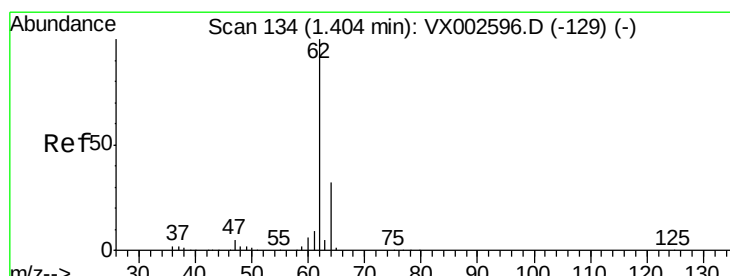
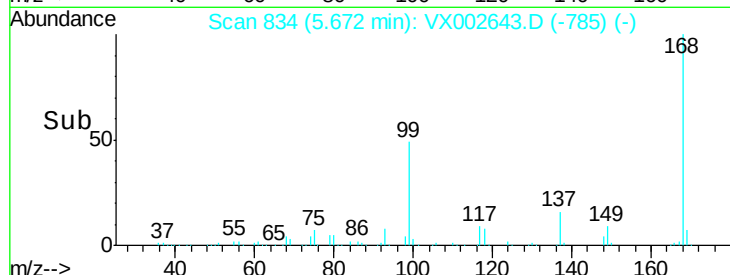
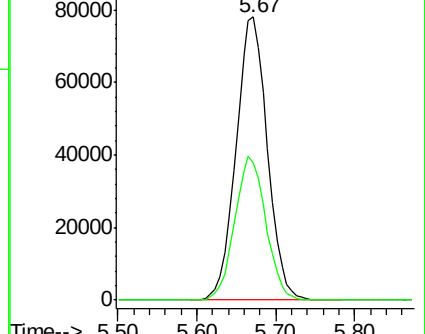
MMDadoda

6/18/2018 5:12:10 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 13.10 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX002643.D

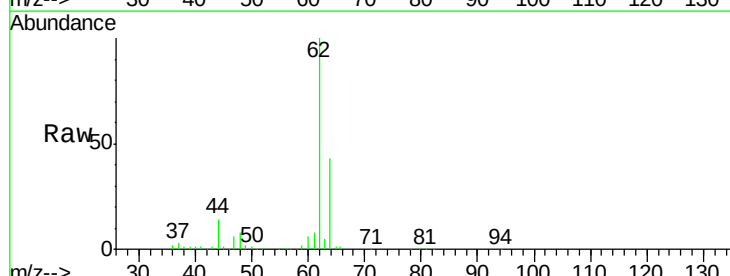
Acq: 16 Jun 2018 12:56

Tgt Ion: 62 Resp: 36958

Ion Ratio Lower Upper

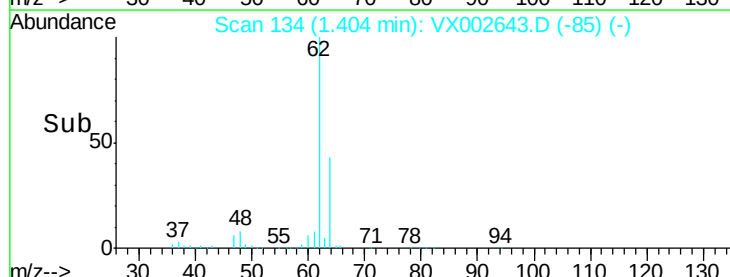
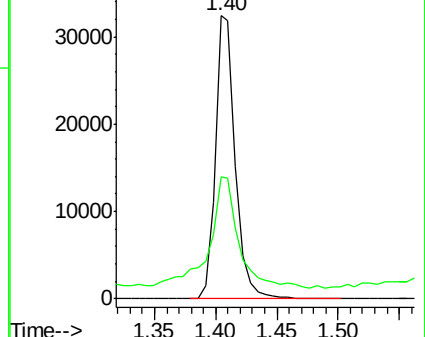
62 100

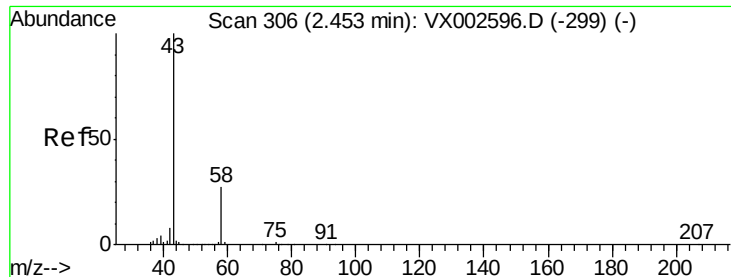
64 39.1 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





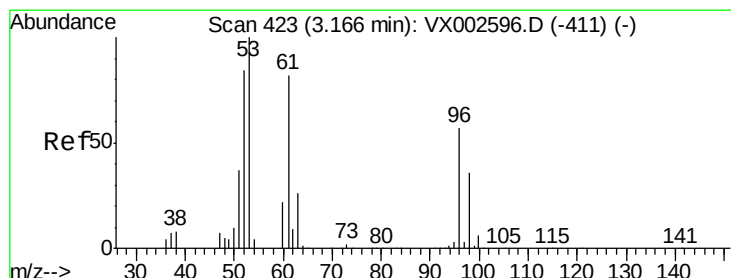
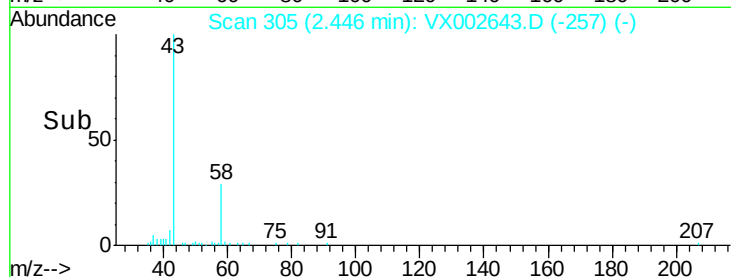
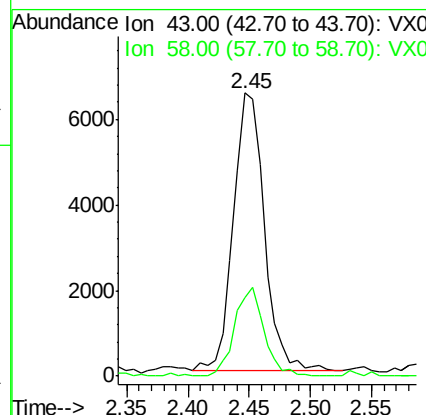
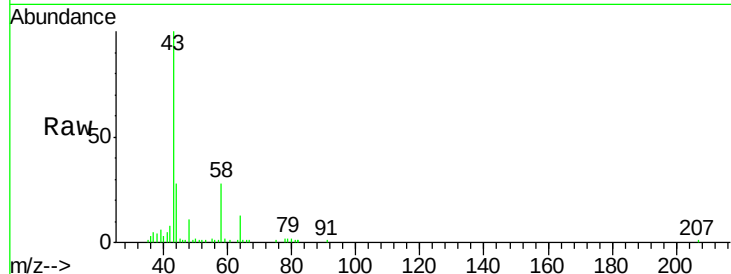
#16
Acetone
Concen: 7.83 ug/l
RT: 2.45 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX002643.D
Acq: 16 Jun 2018 12:56

Instrument :
MSVOA_X
ClientSampleId :
S36-0134

Tot Ion	43	Resp	11296
Ion Ratio	100	Lower	Upper
43	100		
58	28.4	22.1	33.1

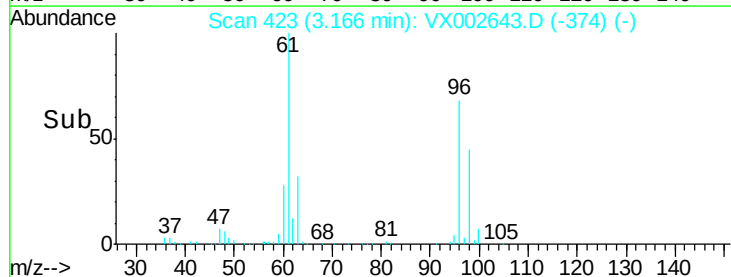
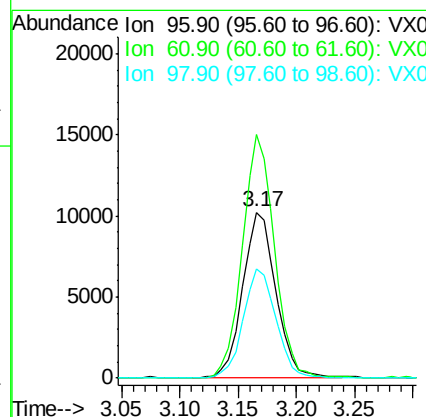
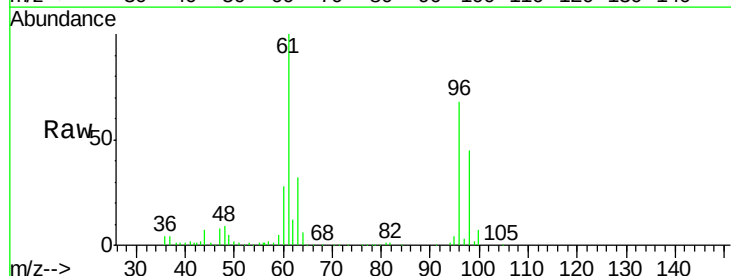
Manual Integrations
APPROVED

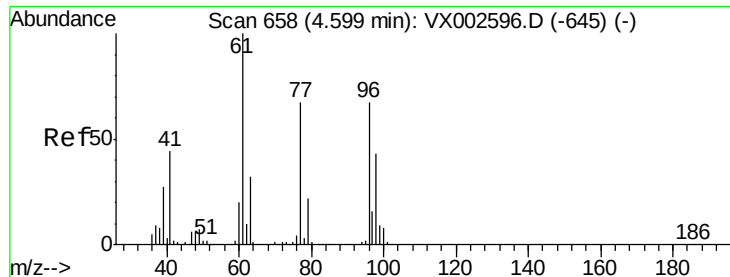
MMDadoda
6/18/2018 5:12:10 PM



#21
trans-1,2-Dichloroethene
Concen: 7.82 ug/l
RT: 3.17 min Scan# 423
Delta R.T. 0.00 min
Lab File: VX002643.D
Acq: 16 Jun 2018 12:56

Tgt Ion	96	Resp	20398
Ion Ratio	100	Lower	Upper
96	100		
61	146.9	117.0	175.4
98	65.8	52.4	78.6





#27

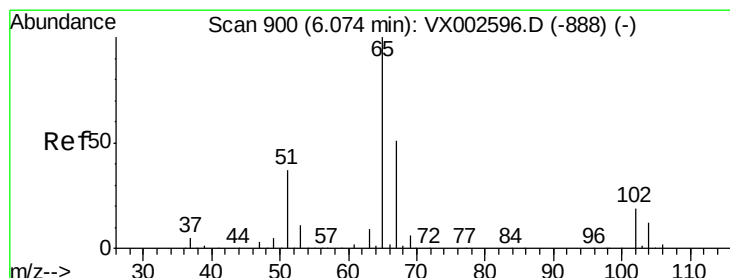
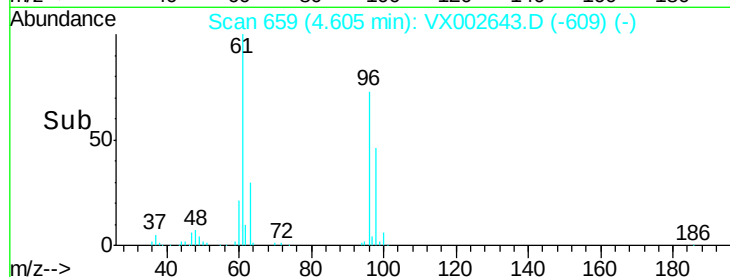
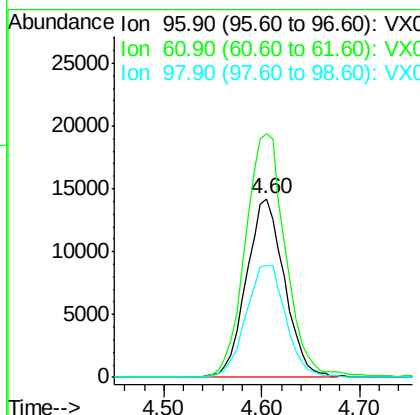
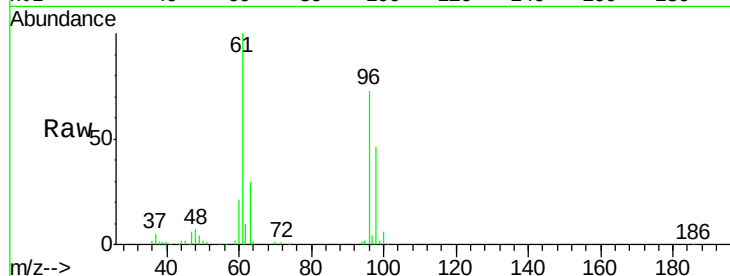
cis-1,2-Dichloroethene
 Concen: 14.51 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. 0.01 min
 Lab File: VX002643.D
 Acq: 16 Jun 2018 12:56

Instrument :
 MSVOA_X
 ClientSampled :
 S36-0134

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.7	0.0	330.2
98	65.7	0.0	130.2

Manual Integrations
 APPROVED

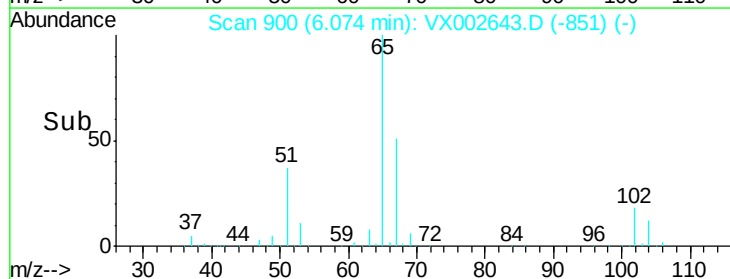
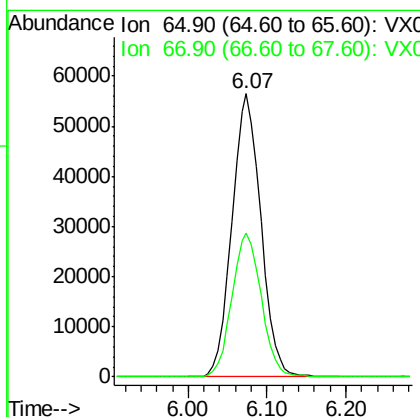
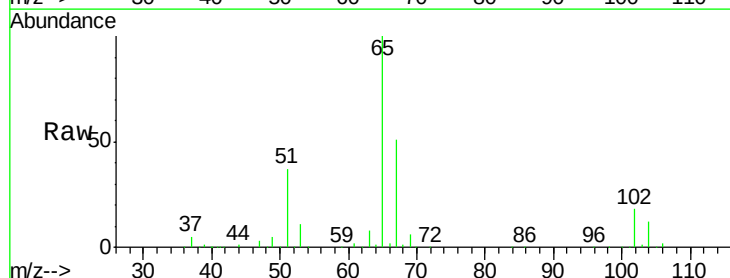
MMDadoda
 6/18/2018 5:12:10 PM

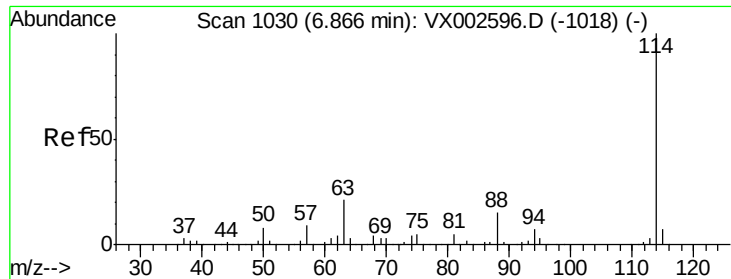


#33

1,2-Dichloroethane-d4
 Concen: 44.01 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002643.D
 Acq: 16 Jun 2018 12:56

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	102.6





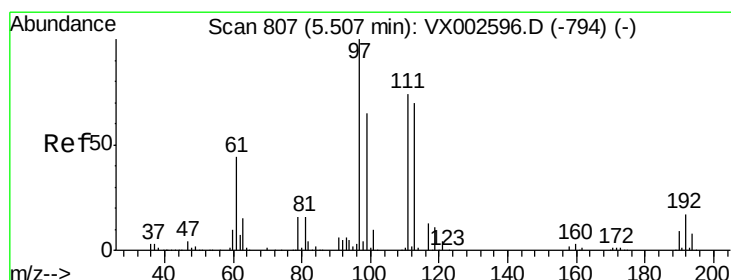
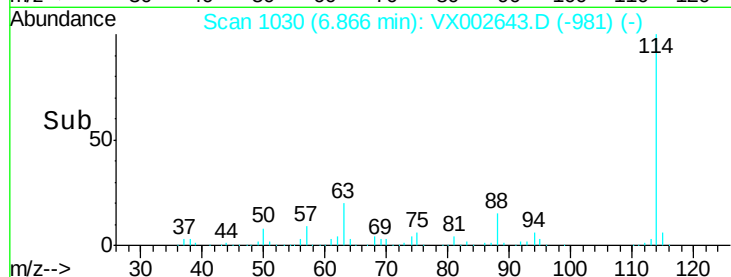
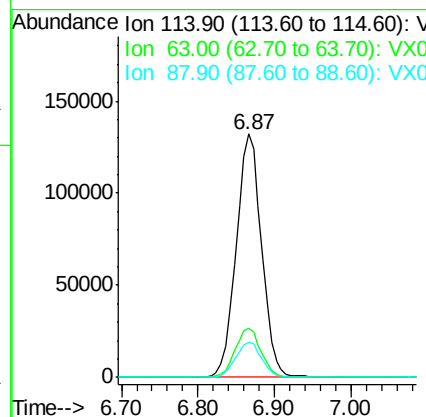
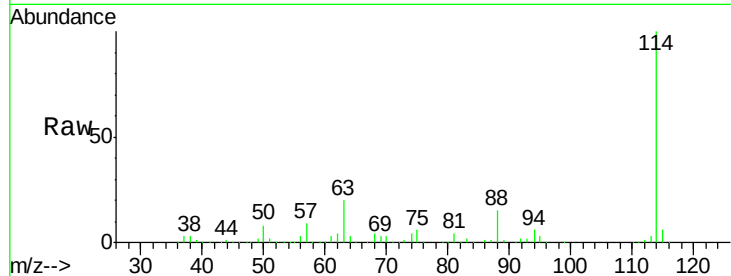
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002643.D
 Acq: 16 Jun 2018 12:56

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0134

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	20.1	0.0	41.4
88	14.6	0.0	30.0

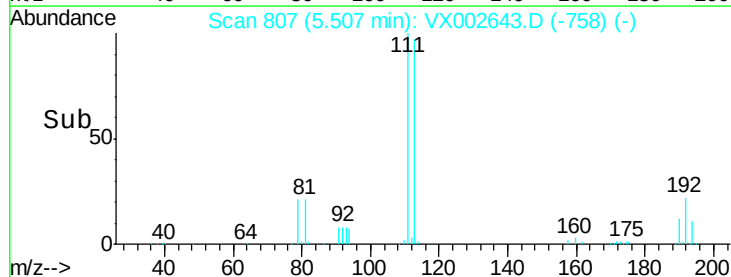
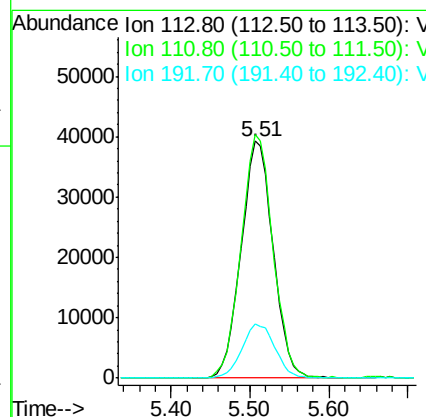
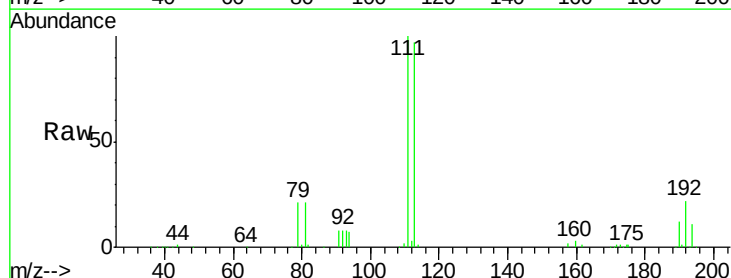
Manual Integrations
 APPROVED

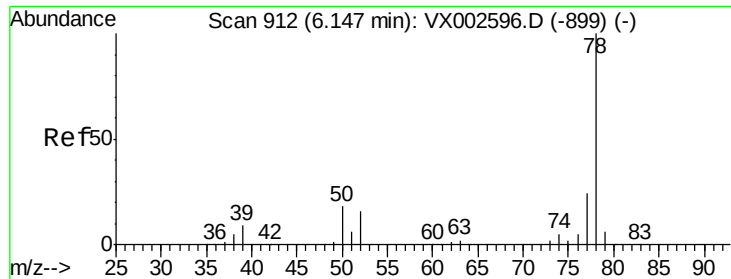
MMDadoda
 6/18/2018 5:12:10 PM



#35
 Dibromofluoromethane
 Concen: 45.82 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX002643.D
 Acq: 16 Jun 2018 12:56

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	102.8	81.4	122.0
192	23.5	19.1	28.7





#40

Benzene

Concen: 2.05 ug/l

RT: 6.15 min Scan# 913

Delta R.T. 0.01 min

Lab File: VX002643.D

Acq: 16 Jun 2018 12:56

Instrument :

MSVOA_X

ClientSampled :

S36-0134

Tot Ion: 78 Resp: 19737

Ion Ratio Lower Upper

78 100

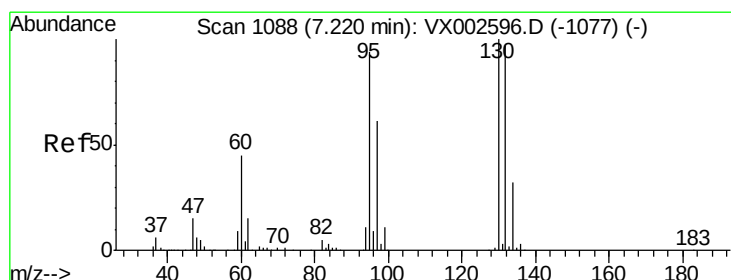
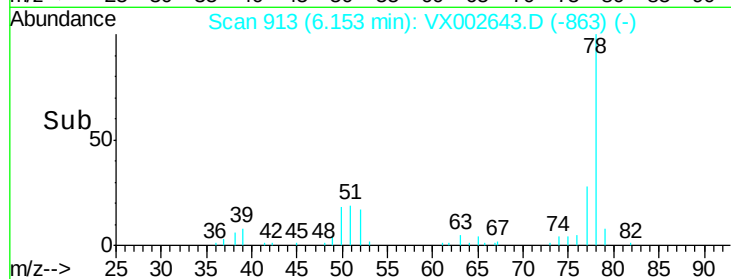
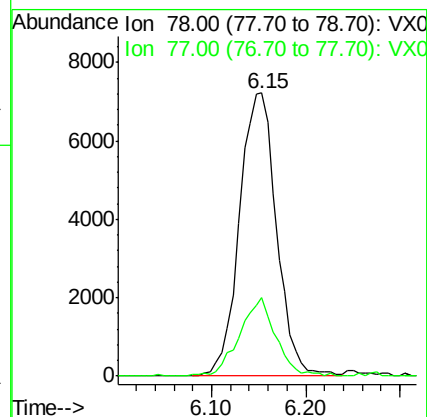
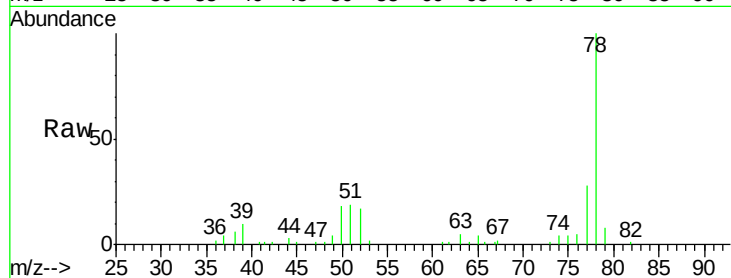
77 27.7 19.1 28.7

Manual Integrations

APPROVED

MMDadoda

6/18/2018 5:12:10 PM



#44

Trichloroethene

Concen: 0.62 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX002643.D

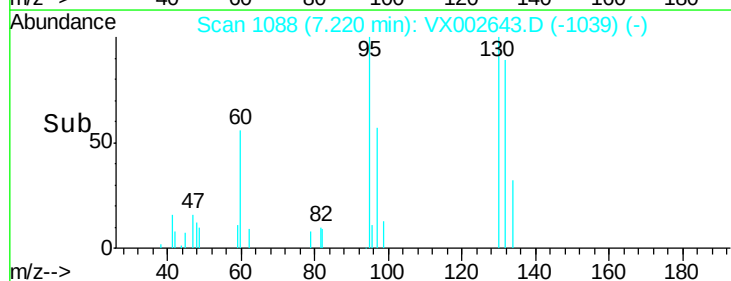
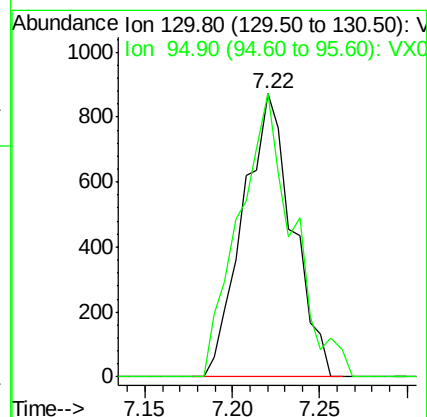
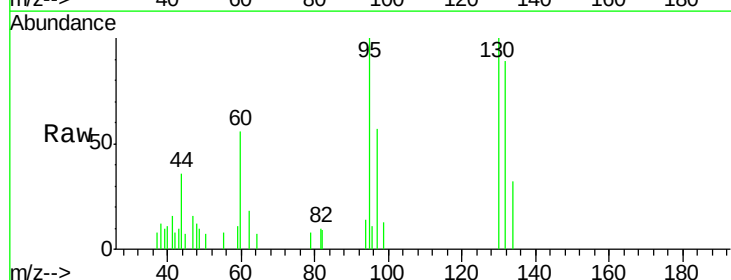
Acq: 16 Jun 2018 12:56

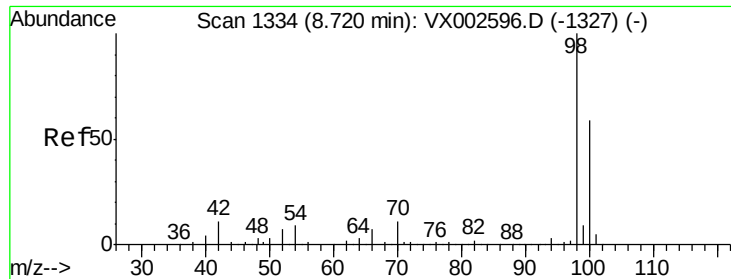
Tgt Ion:130 Resp: 1723

Ion Ratio Lower Upper

130 100

95 100.1 0.0 185.4





#50

Toluene-d8

Concen: 47.36 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002643.D

Acq: 16 Jun 2018 12:56

Instrument :

MSVOA_X

ClientSampled :

S36-0134

Tot Ion: 98 Resp: 433942

Ion Ratio Lower Upper

98 100

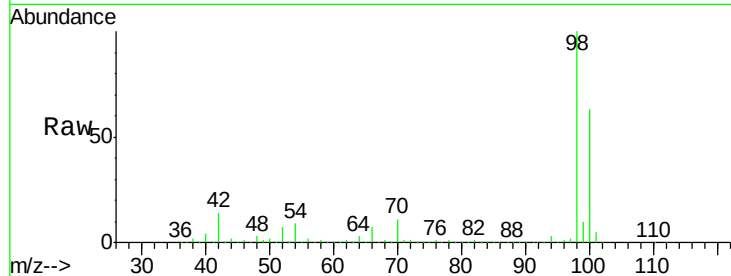
100 63.3 50.9 76.3

Manual Integrations

APPROVED

MMDadoda

6/18/2018 5:12:10 PM



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.72

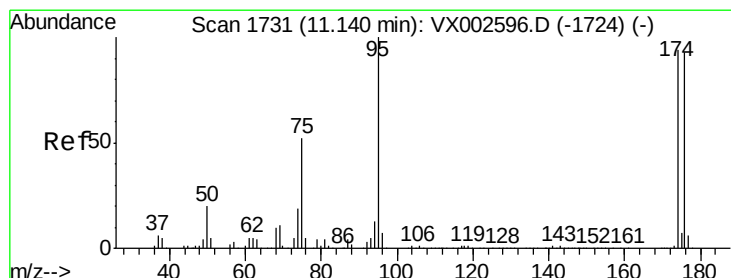
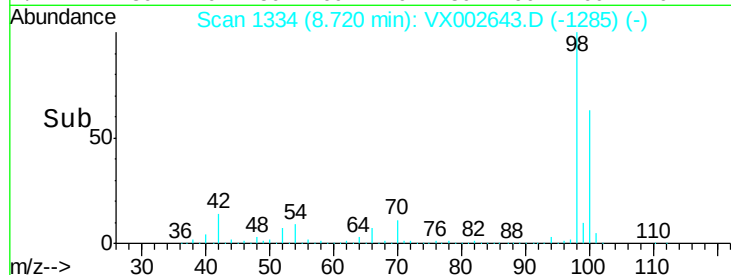
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 43.83 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002643.D

Acq: 16 Jun 2018 12:56

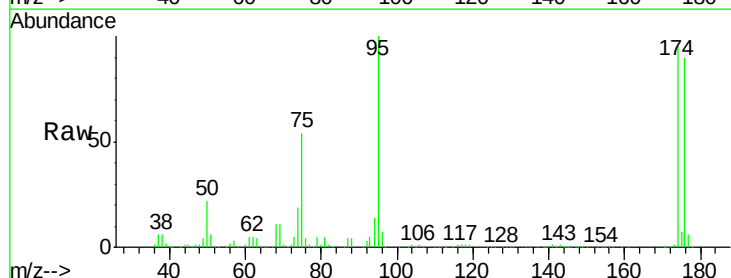
Tgt Ion: 95 Resp: 152208

Ion Ratio Lower Upper

95 100

174 97.8 0.0 187.4

176 93.9 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

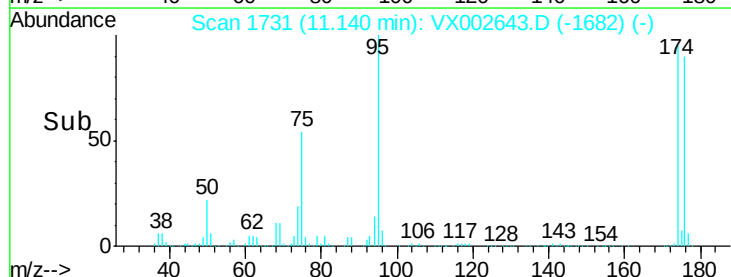
150000

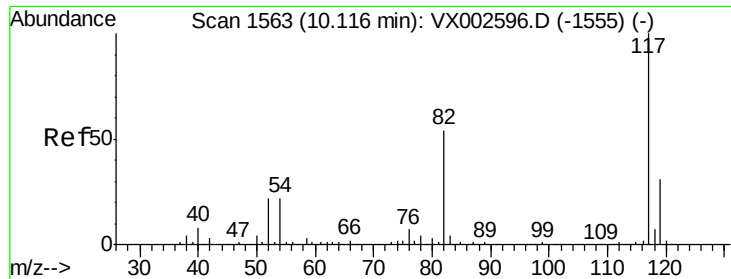
100000

50000

0

Time-->





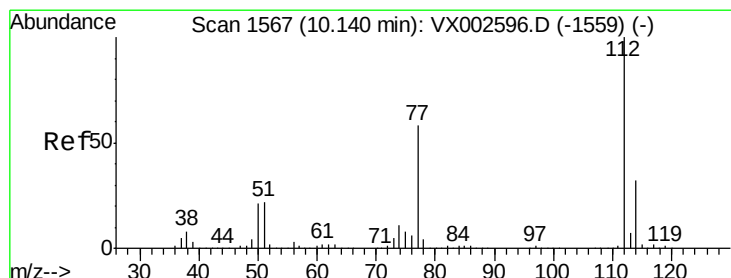
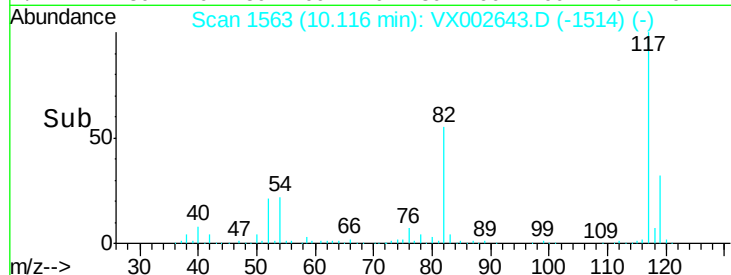
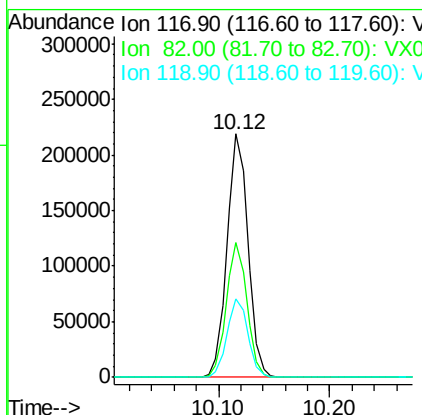
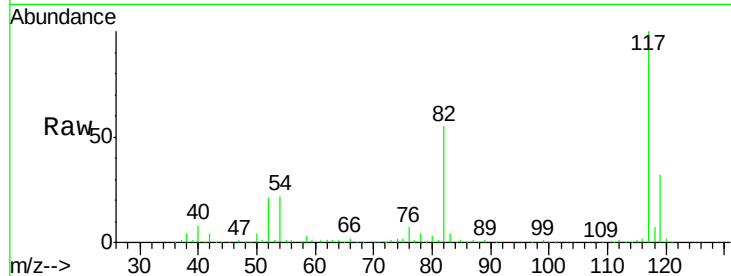
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002643.D
Acq: 16 Jun 2018 12:56

Instrument :
MSVOA_X
ClientSampled :
S36-0134

Tot Ion	Ratio	Resp	Lower	Upper
117	100	285171		
82	55.2	45.0	67.4	
119	32.4	25.8	38.6	

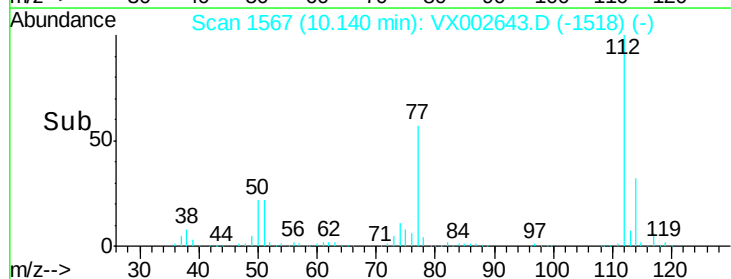
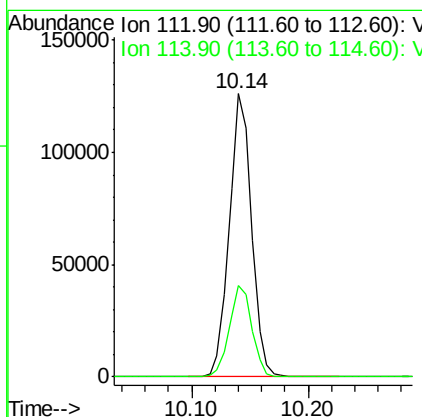
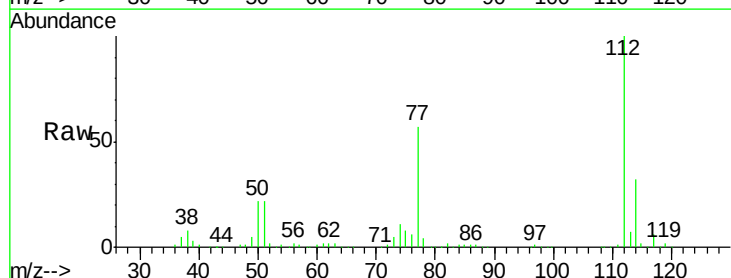
Manual Integrations
APPROVED

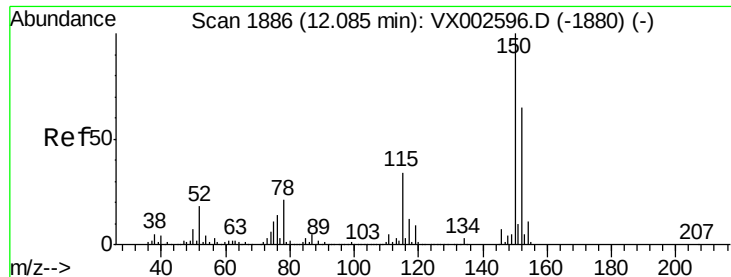
MMDadoda
6/18/2018 5:12:10 PM



#65
Chlorobenzene
Concen: 23.87 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX002643.D
Acq: 16 Jun 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	167184		
114	32.1	25.3	37.9	





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002643.D

Acq: 16 Jun 2018 12:56

Instrument :

MSVOA_X

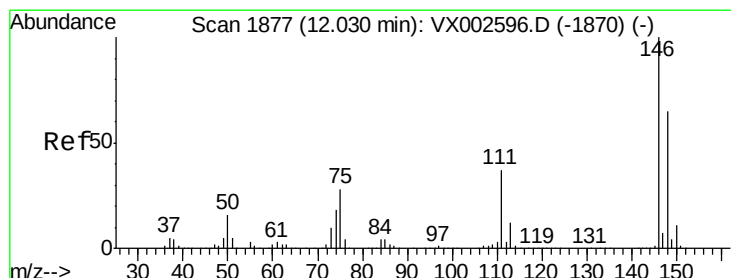
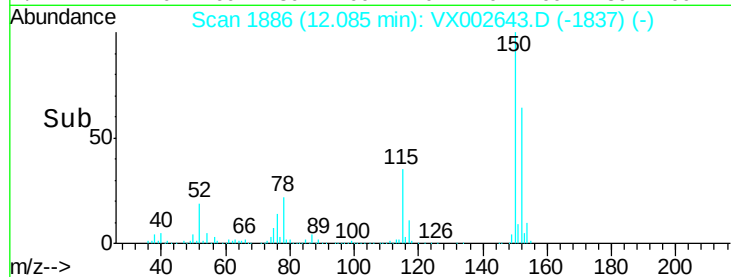
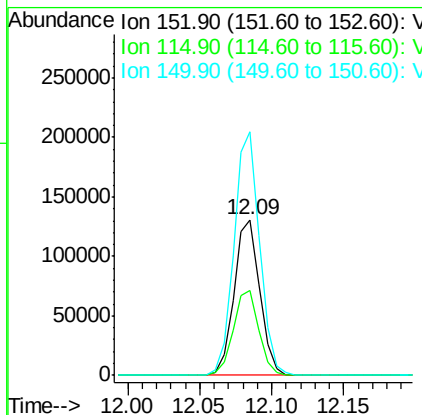
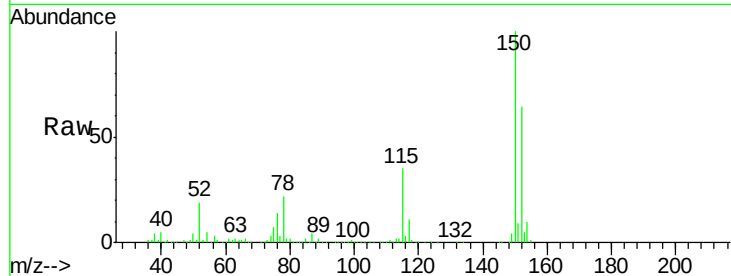
ClientSampled :

S36-0134

Tot Ion:	152	Resp:	163166
Ion Ratio	Lower	Upper	
152	100		
115	54.4	40.1	120.2
150	156.2	0.0	347.2

Manual Integrations
APPROVED

MMDadoda
6/18/2018 5:12:10 PM



#87

1,3-Dichlorobenzene

Concen: 0.36 ug/l

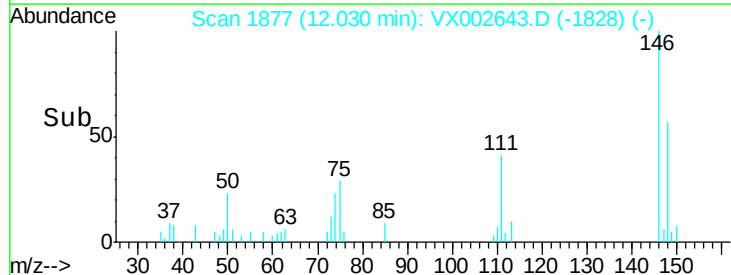
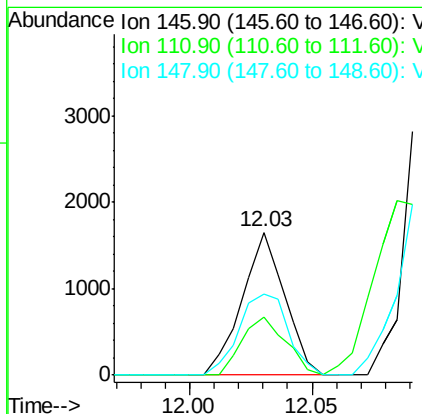
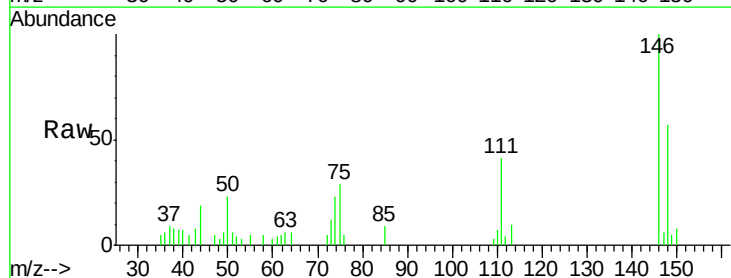
RT: 12.03 min Scan# 1877

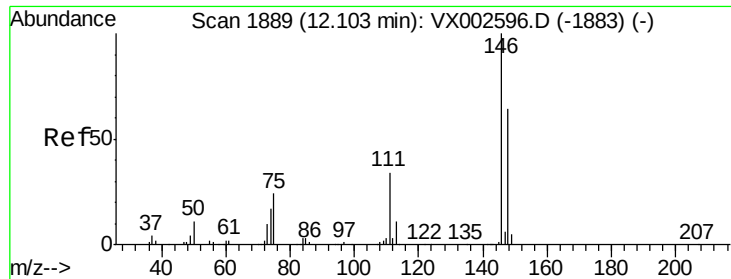
Delta R.T. 0.00 min

Lab File: VX002643.D

Acq: 16 Jun 2018 12:56

Tgt Ion:	146	Resp:	2013
Ion Ratio	Lower	Upper	
146	100		
111	41.5	18.9	56.7
148	65.3	32.1	96.3





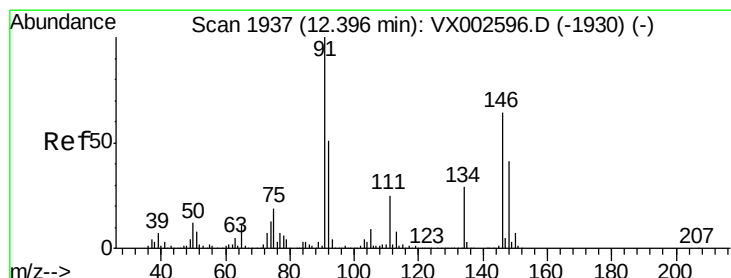
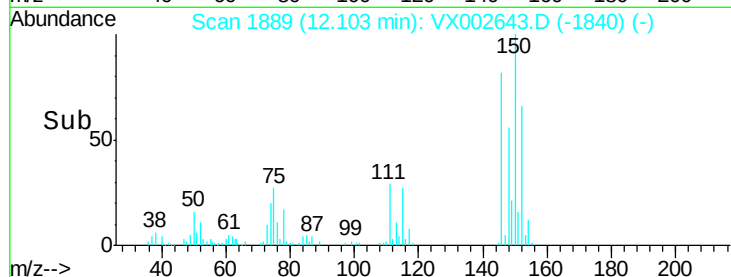
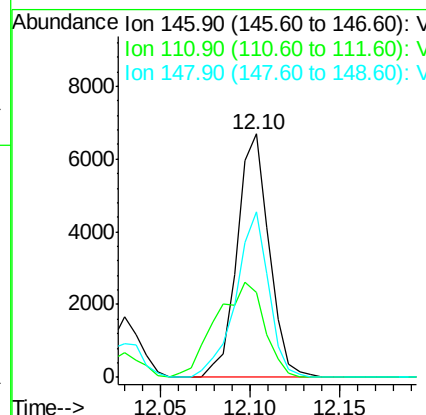
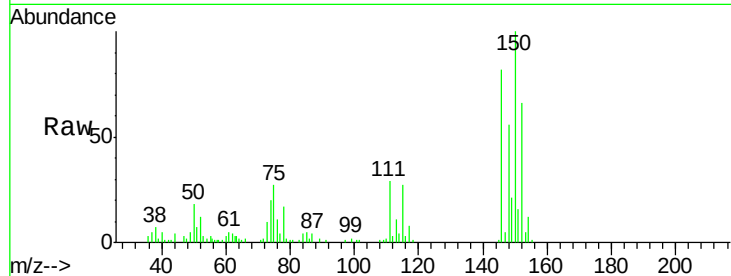
#88
 1,4-Dichlorobenzene
 Concen: 1.47 ug/l m
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX002643.D
 Acq: 16 Jun 2018 12:56

Instrument :
 MSVOA_X
 ClientSampled :
 S36-0134

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	18.7	56.1#
148	0.0	32.4	97.0#

Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 5:12:10 PM



#91
 1,2-Dichlorobenzene
 Concen: 1.68 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX002643.D
 Acq: 16 Jun 2018 12:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.4	58.1
148	66.8	31.7	95.1

