

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092320\
 Data File : VX018554.D
 Acq On : 23 Sep 2020 22:52
 Operator : JC/SP
 Sample : L4083-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP02-20200916

Manual Integrations
 APPROVED

MMDadoda
 9/24/2020 1:39:35 PM

Quant Time: Sep 24 01:54:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 17 12:17:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	460919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	725876	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	710059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	353065	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	327896	50.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.58%	
35) Dibromofluoromethane	5.47	113	258668	51.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.10%	
50) Toluene-d8	8.70	98	896788	49.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.38%	
62) 4-Bromofluorobenzene	11.12	95	335262	46.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.46%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.18	85	1803	0.413	ug/l	85
3) Chloromethane	1.31	50	4922	0.962	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	279073	63.015	ug/l	99
12) 1,1-Dichloroethene	2.36	96	4900	1.098	ug/l #	58
20) Methylene Chloride	2.84	84	4071	0.740	ug/l #	82
27) cis-1,2-Dichloroethene	4.57	96	10269	1.766	ug/l	89
30) Chloroform	5.18	83	3150m	0.331	ug/l	
38) Carbon Tetrachloride	5.75	117	3976	0.510	ug/l #	84
44) Trichloroethene	7.19	130	862919	147.633	ug/l	97
64) Tetrachloroethene	9.32	164	32846	5.876	ug/l	91

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

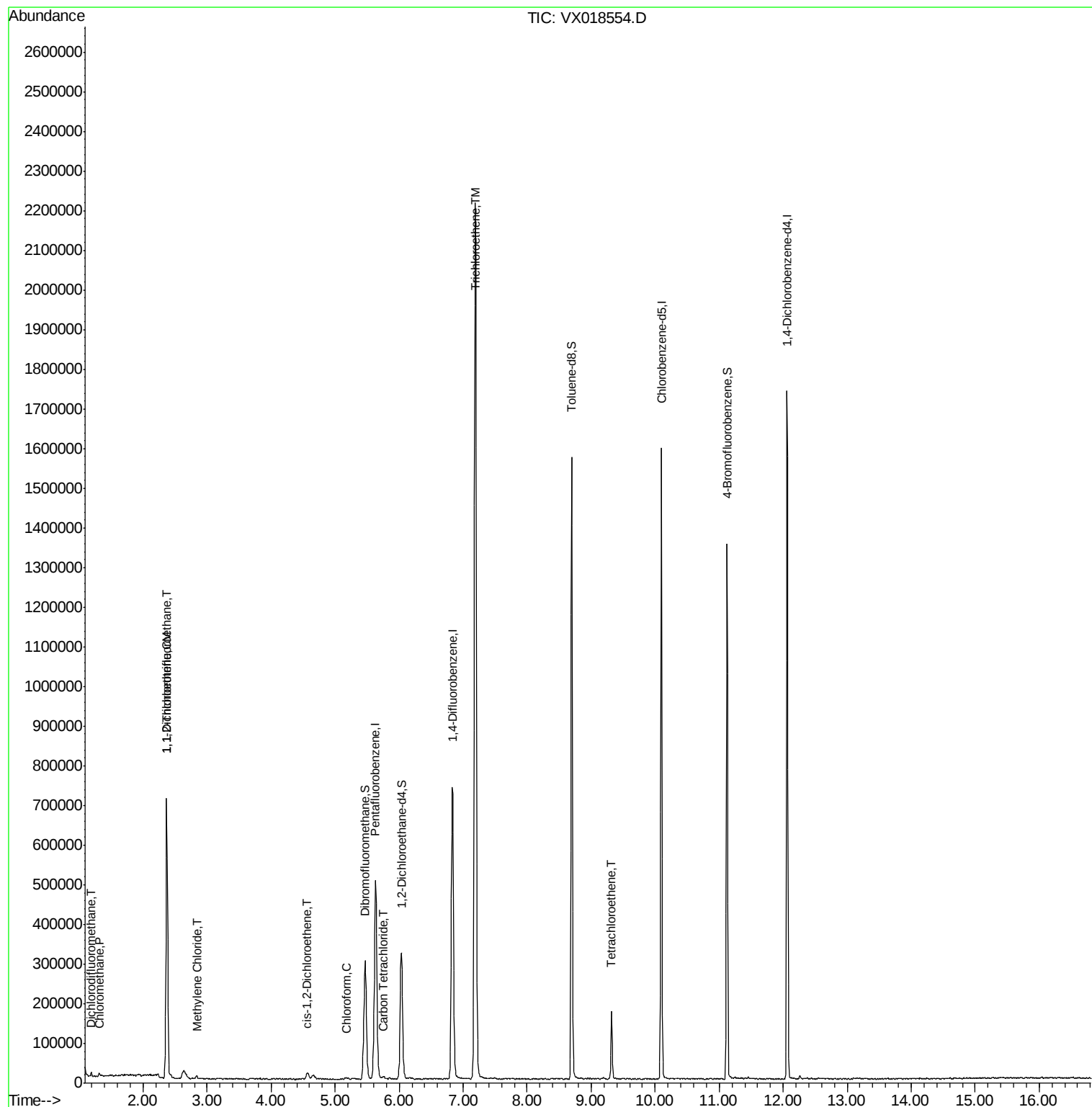
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092320\
Data File : VX018554.D
Acq On : 23 Sep 2020 22:52
Operator : JC/SP
Sample : L4083-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

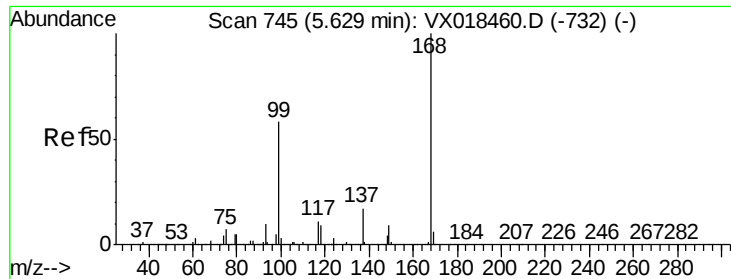
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20200916

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Quant Time: Sep 24 01:54:24 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 17 12:17:36 2020
Response via : Initial Calibration





#1

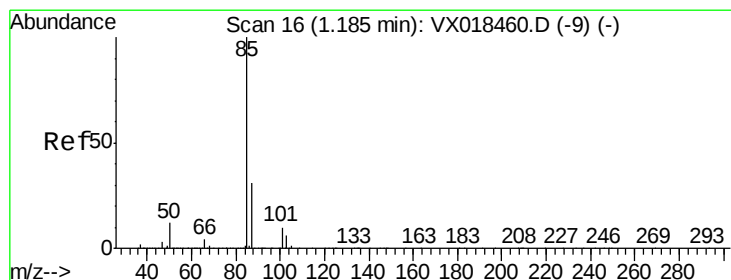
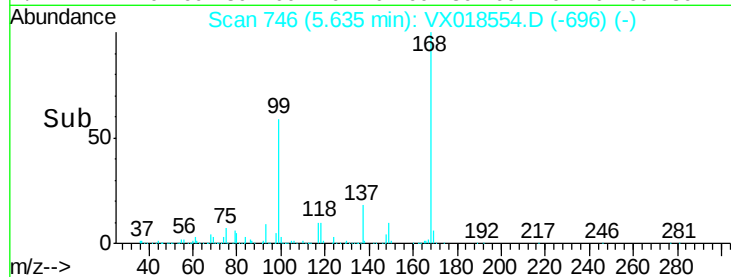
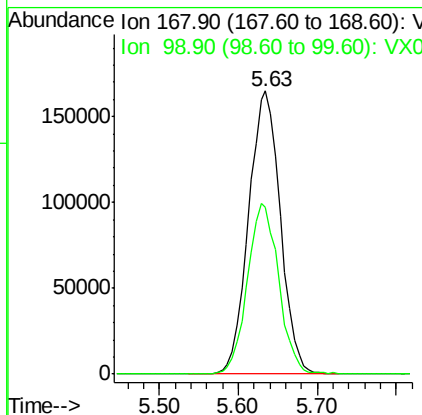
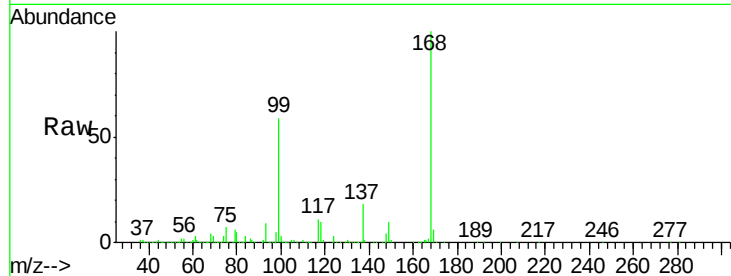
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.63 min Scan# 746
Delta R.T. 0.01 min
Lab File: VX018554.D
Acq: 23 Sep 2020 22:52

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20200916

Tot Ion	Ratio	Resp	Lower	Upper
168	100	460919		
99	58.8	46.5	69.7	

Manual Integrations
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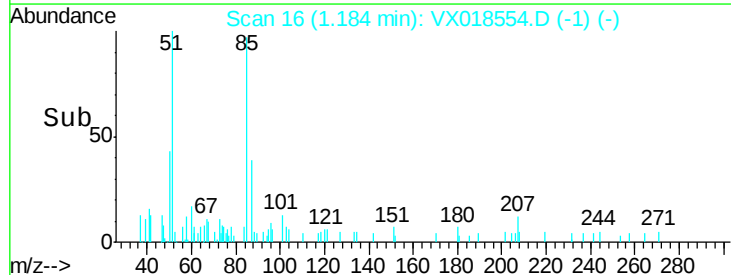
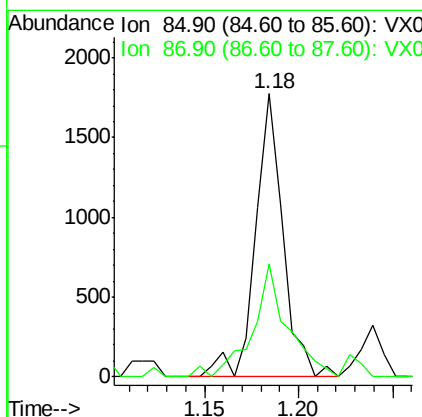
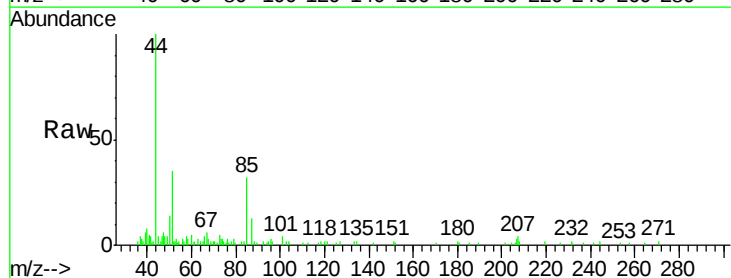
MMDadoda
9/24/2020 1:39:35 PM

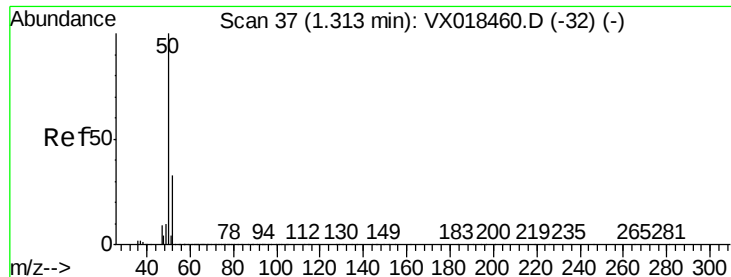


#2

Dichlorodifluoromethane
Concen: 0.413 ug/l
RT: 1.18 min Scan# 16
Delta R.T. -0.00 min
Lab File: VX018554.D
Acq: 23 Sep 2020 22:52

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	1803		
87	39.9	15.7	47.1	





#3

Chloromethane

Concen: 0.962 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018554.D

Acq: 23 Sep 2020 22:52

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20200916

Tot Ion: 50 Resp: 4922

Ion Ratio Lower Upper

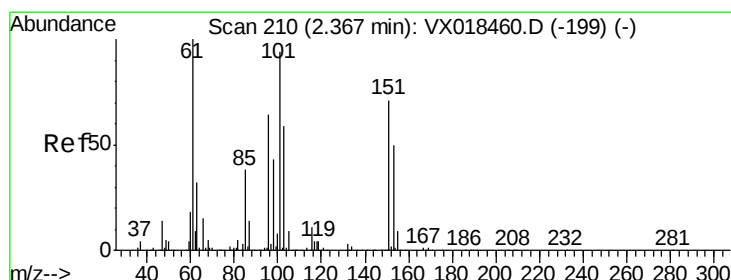
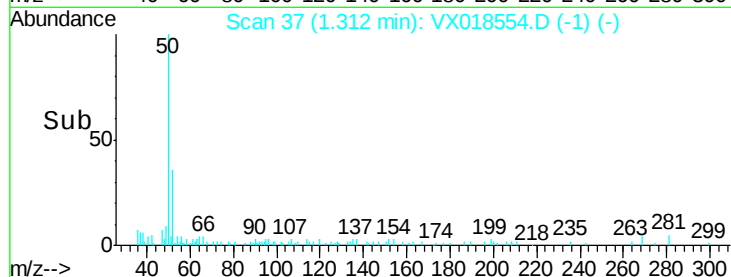
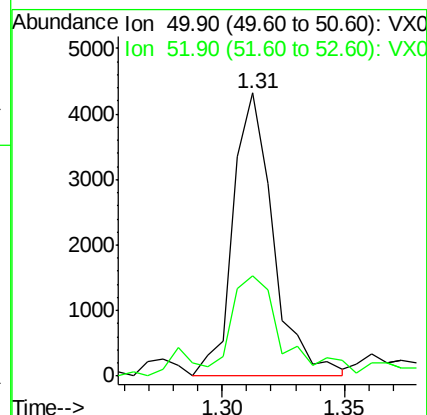
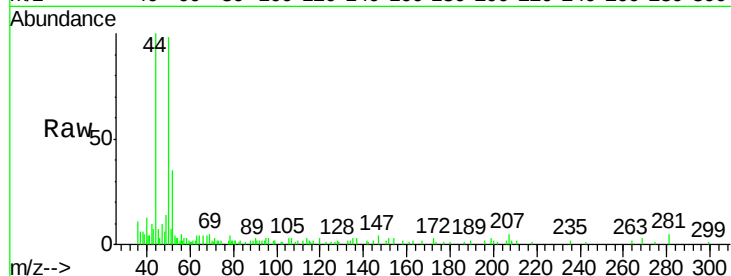
50 100

52 31.1 26.6 40.0

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#9

1,1,2-Trichlorotrifluoroethane

Concen: 63.015 ug/l

RT: 2.37 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX018554.D

Acq: 23 Sep 2020 22:52

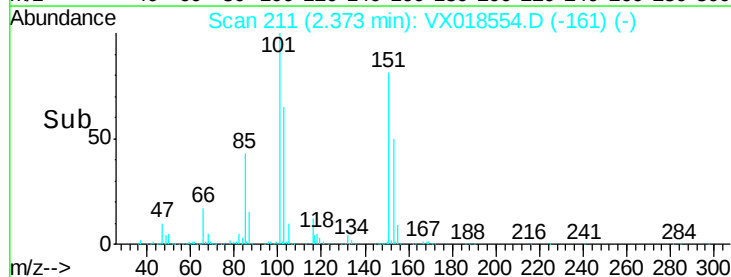
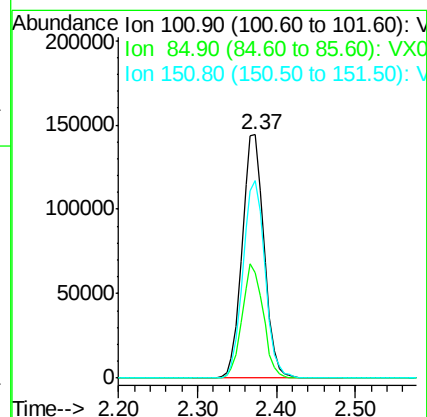
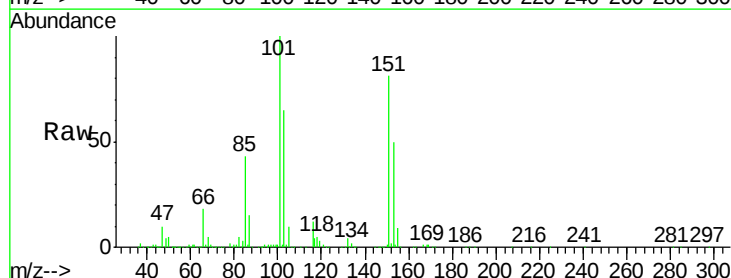
Tgt Ion: 101 Resp: 279073

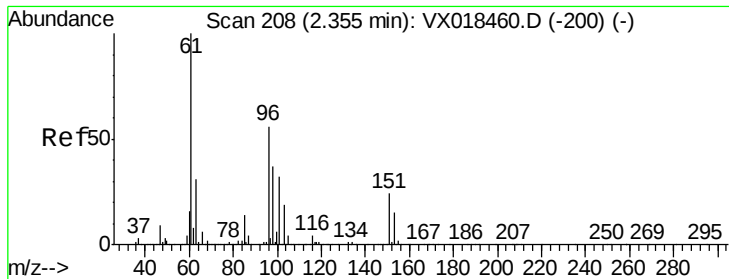
Ion Ratio Lower Upper

101 100

85 45.3 34.7 52.1

151 81.6 64.9 97.3





#12

1,1-Dichloroethene

Concen: 1.098 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.01 min

Lab File: VX018554.D

Acq: 23 Sep 2020 22:52

Instrument :

MSVOA_X

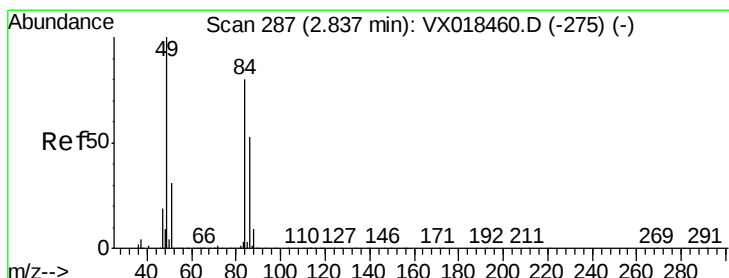
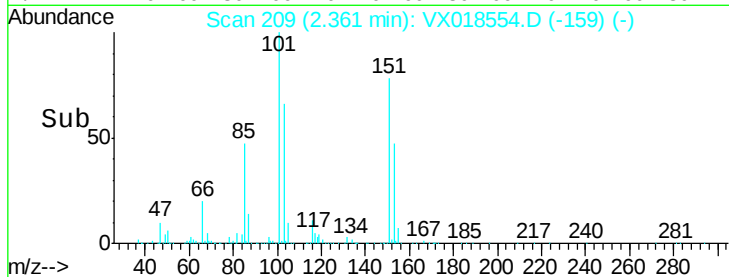
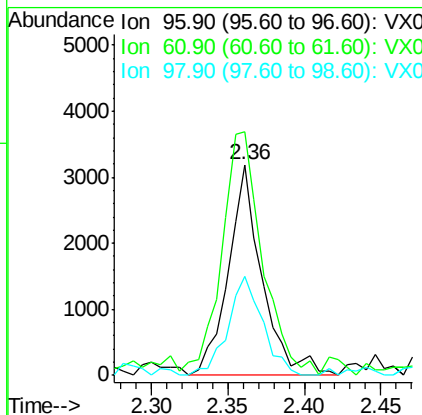
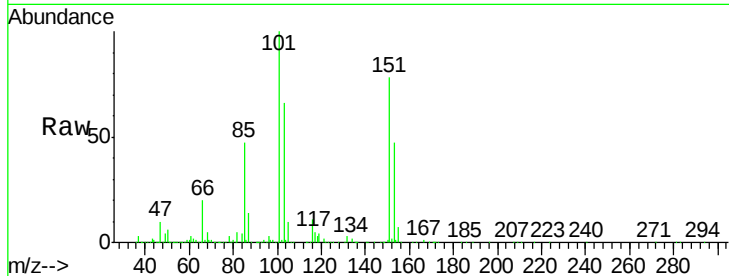
ClientSampleId :

DUP02-20200916

Tot Ion:	96	Resp:	4900
Ion	Ratio	Lower	Upper
96	100		
61	109.5	142.2	213.4#
98	46.7	52.4	78.6#

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#20

Methylene Chloride

Concen: 0.740 ug/l

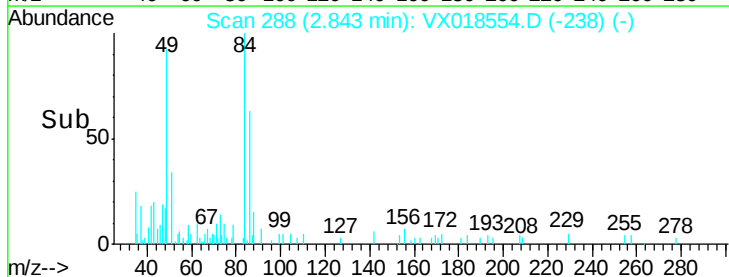
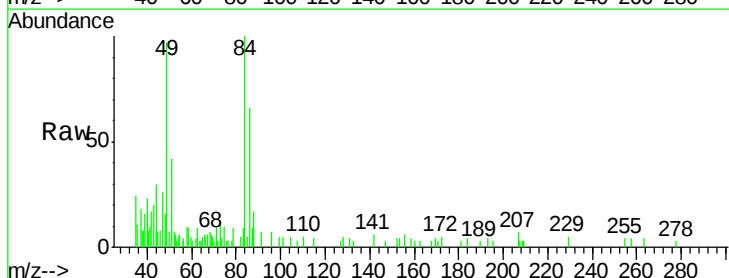
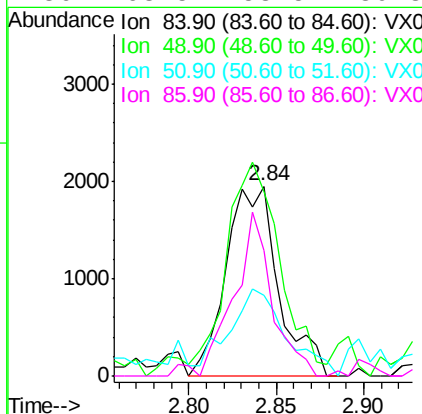
RT: 2.84 min Scan# 288

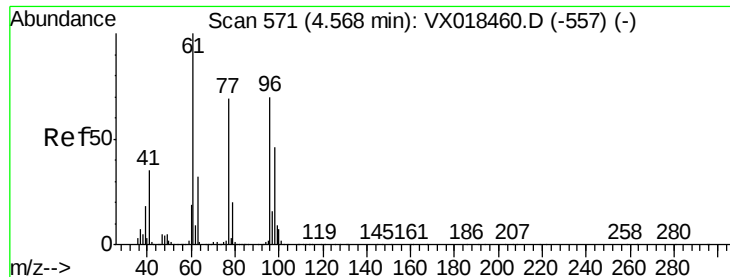
Delta R.T. 0.01 min

Lab File: VX018554.D

Acq: 23 Sep 2020 22:52

Tgt Ion:	84	Resp:	4071
Ion	Ratio	Lower	Upper
84	100		
49	91.1	100.6	151.0#
51	38.9	30.9	46.3
86	63.5	53.5	80.3





#27

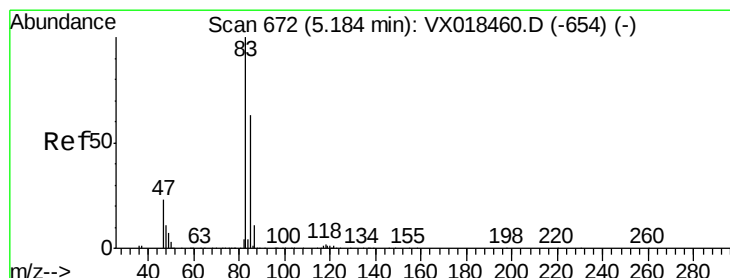
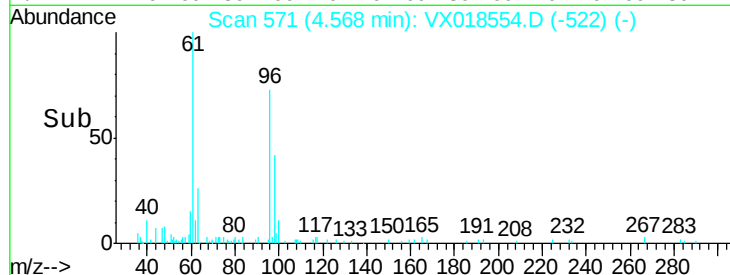
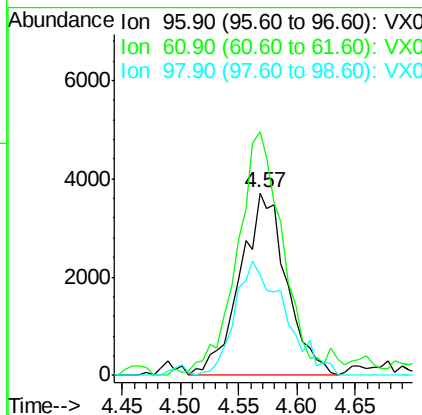
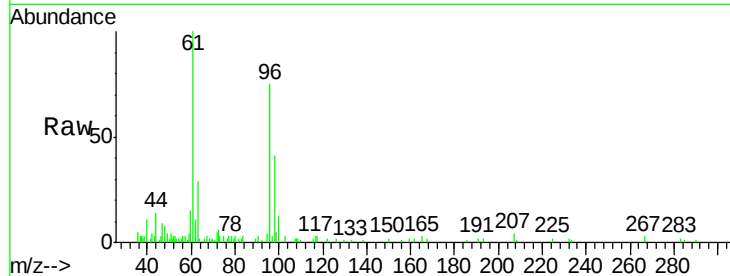
cis-1,2-Dichloroethene
Concen: 1.766 ug/l
RT: 4.57 min Scan# 571
Delta R.T. -0.00 min
Lab File: VX018554.D
Acq: 23 Sep 2020 22:52

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20200916

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	131.5	0.0	300.0	
98	67.5	0.0	130.4	

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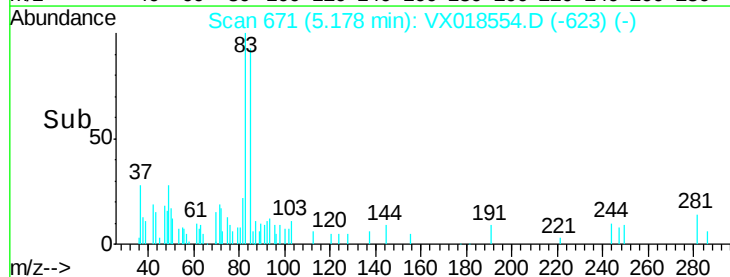
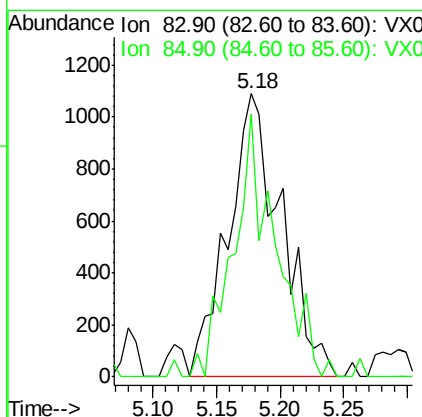
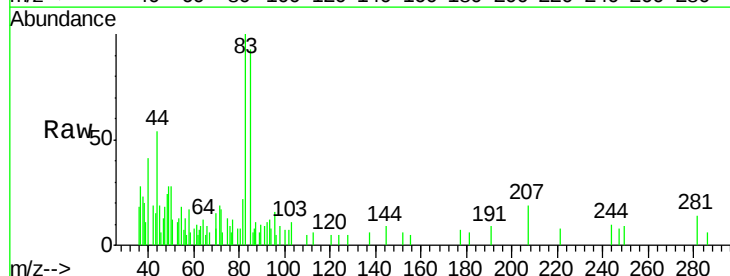
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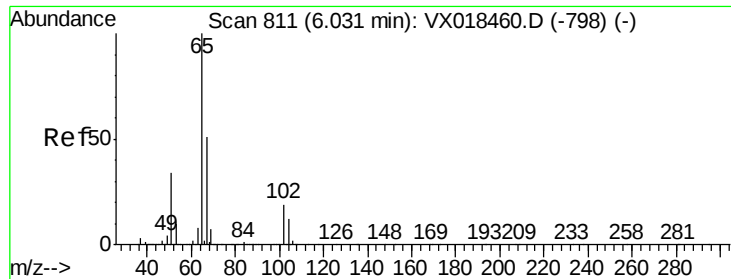


#30

Chloroform
Concen: 0.331 ug/l m
RT: 5.18 min Scan# 671
Delta R.T. -0.01 min
Lab File: VX018554.D
Acq: 23 Sep 2020 22:52

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	93.1	50.6	76.0	#





#33

1,2-Dichloroethane-d4

Concen: 50.288 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX018554.D

Acq: 23 Sep 2020 22:52

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20200916

Tot Ion: 65 Resp: 327896

Ion Ratio Lower Upper

65 100

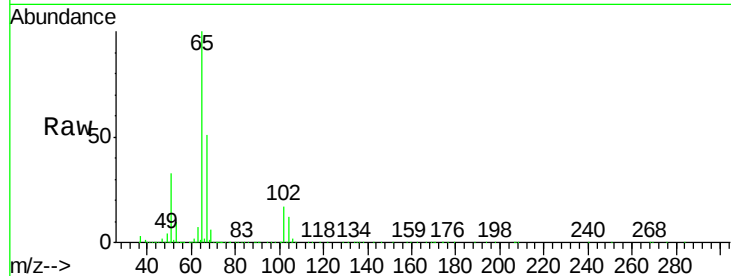
67 49.8 0.0 105.6

Manual Integrations

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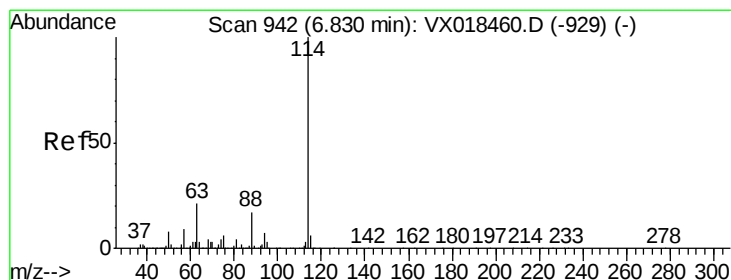
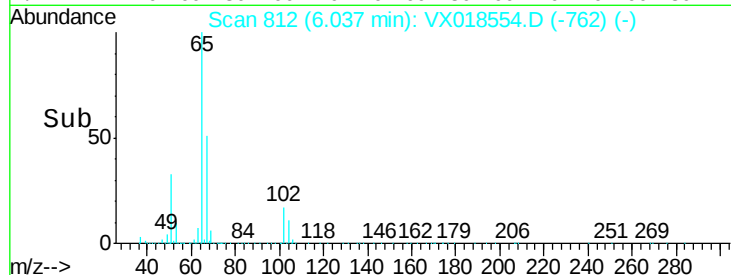
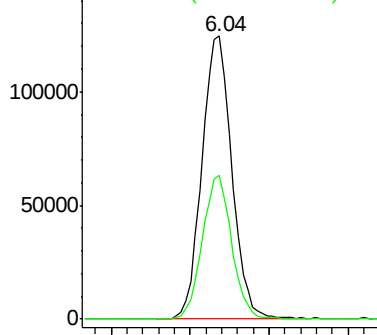
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX018554.D

Acq: 23 Sep 2020 22:52

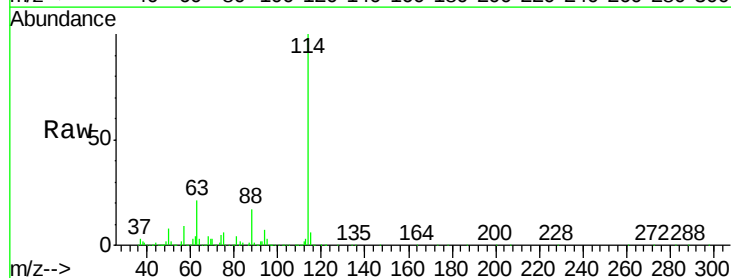
Tgt Ion: 114 Resp: 725876

Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.8

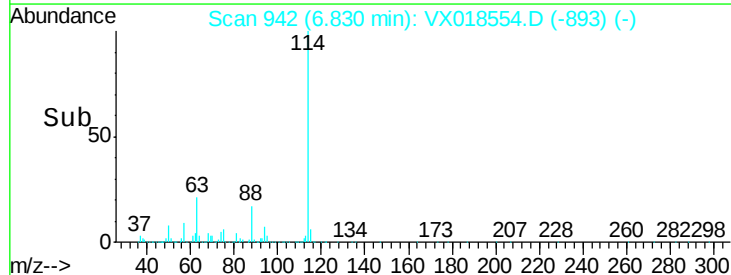
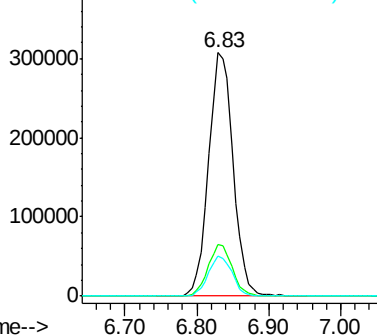
88 16.7 0.0 33.6

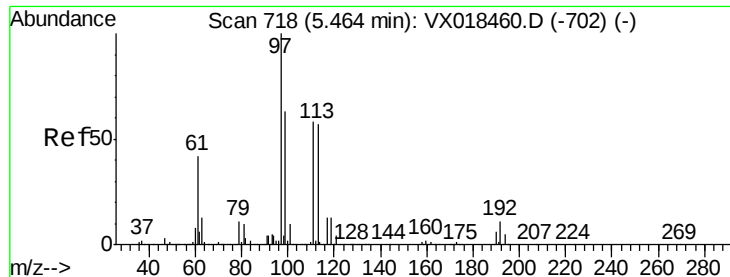


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.547 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX018554.D

Acq: 23 Sep 2020 22:52

Instrument :

MSVOA_X

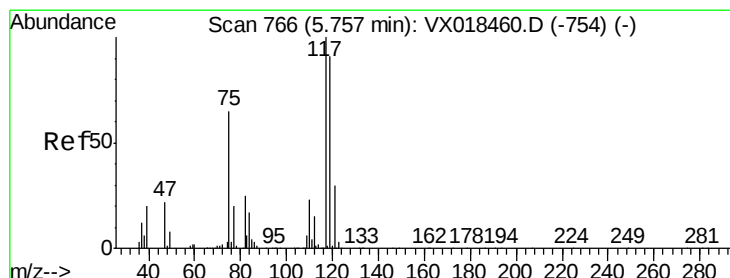
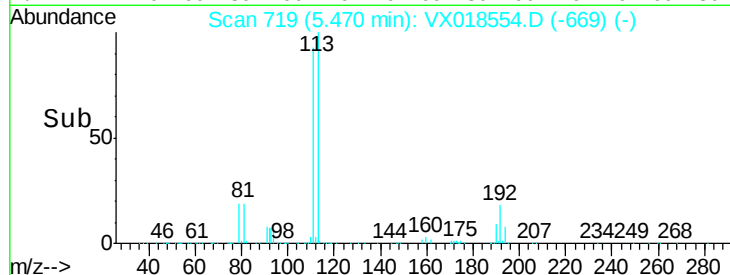
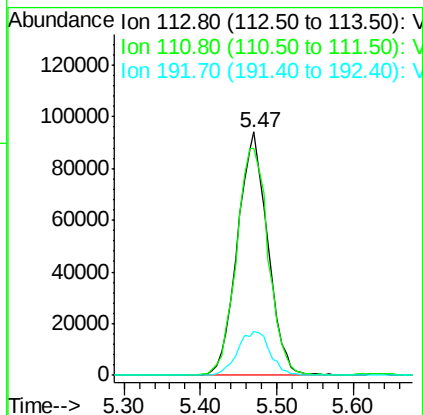
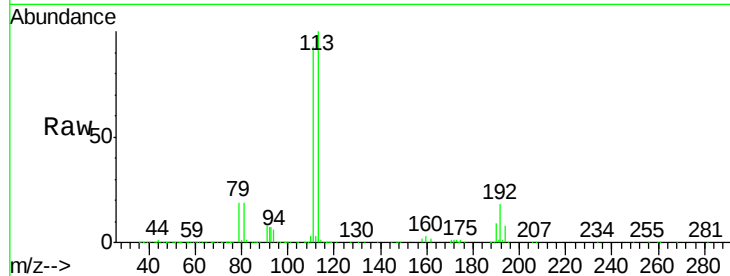
ClientSampleId :

DUP02-20200916

Tot Ion:	113	Resp:	258668
Ion Ratio	Lower	Upper	
113	100		
111	98.5	81.4	122.2
192	19.4	16.6	24.8

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 0.510 ug/l

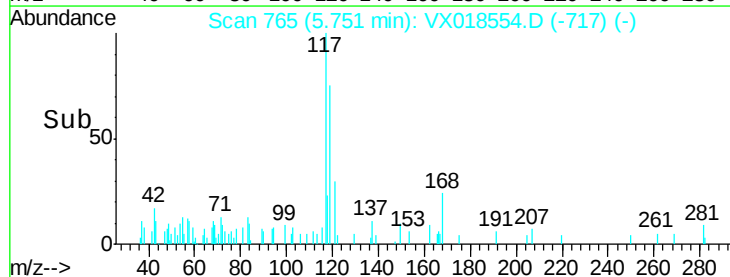
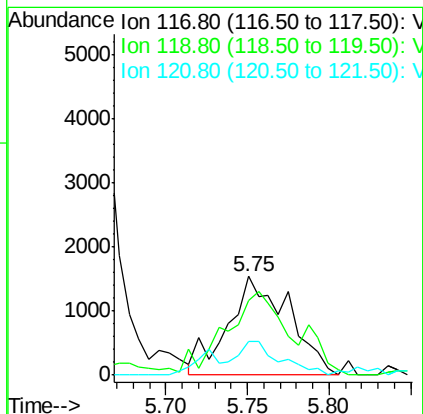
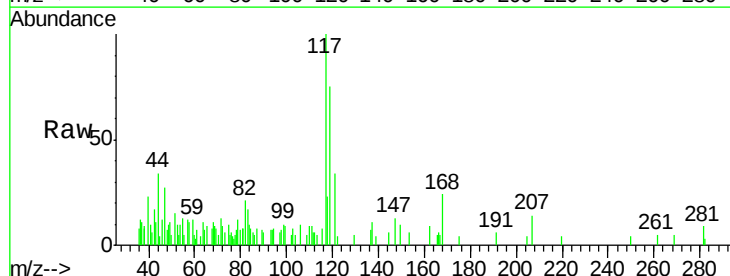
RT: 5.75 min Scan# 765

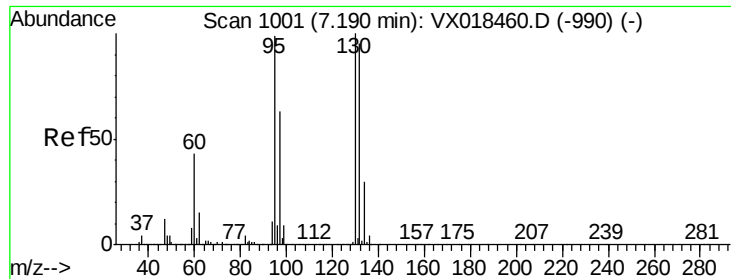
Delta R.T. -0.01 min

Lab File: VX018554.D

Acq: 23 Sep 2020 22:52

Tgt Ion:	117	Resp:	3976
Ion Ratio	Lower	Upper	
117	100		
119	70.1	72.3	108.5#
121	29.9	23.8	35.8





#44

Trichloroethene

Concen: 147.633 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX018554.D

Acq: 23 Sep 2020 22:52

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20200916

Tot Ion:130 Resp: 862919

Ion Ratio Lower Upper

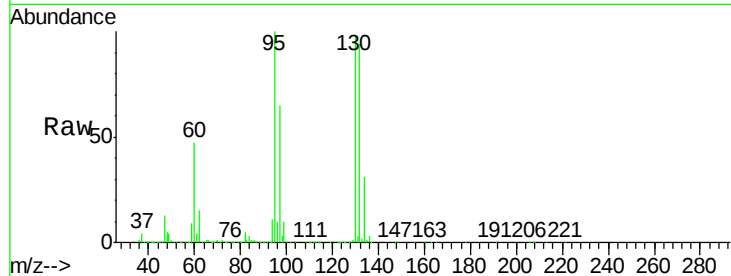
130 100

95 101.7 0.0 197.4

Manual Integrations
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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.19

400000

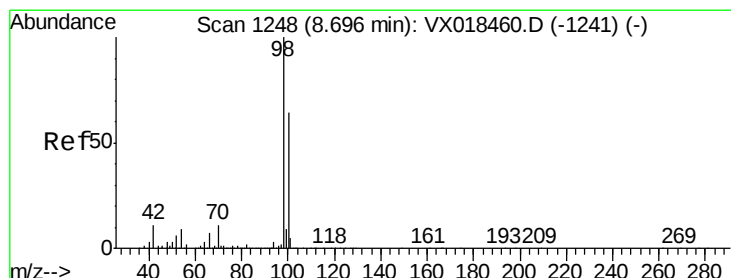
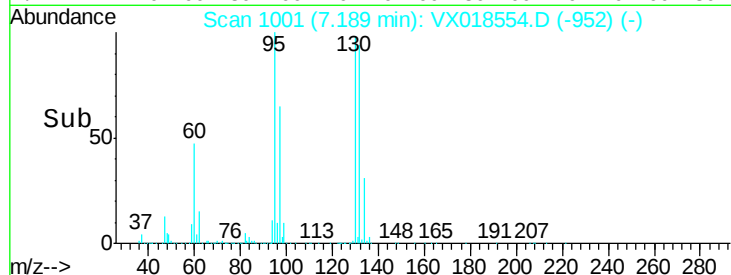
300000

200000

100000

0

Time-->



#50

Toluene-d8

Concen: 49.187 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018554.D

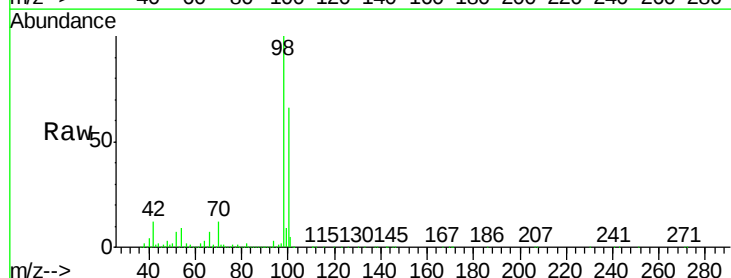
Acq: 23 Sep 2020 22:52

Tgt Ion: 98 Resp: 896788

Ion Ratio Lower Upper

98 100

100 65.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.70

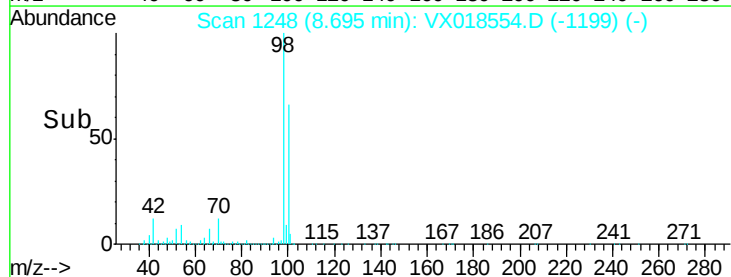
600000

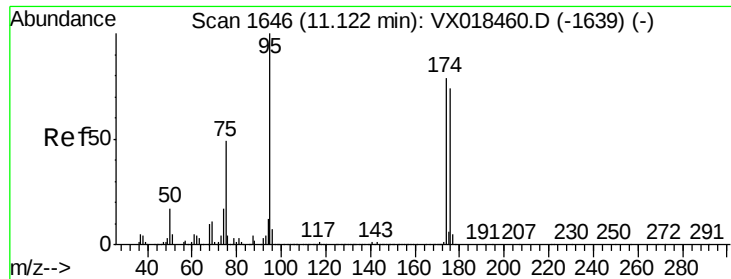
400000

200000

0

Time-->





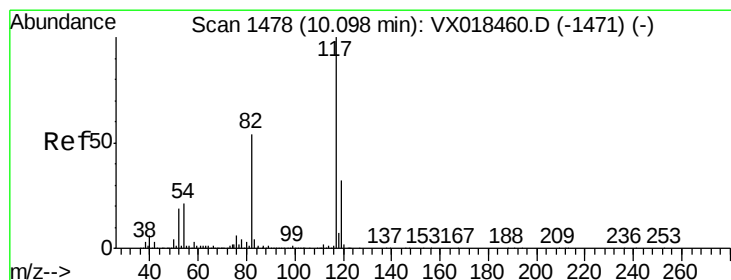
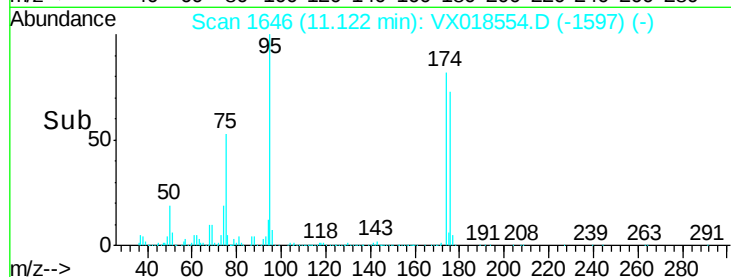
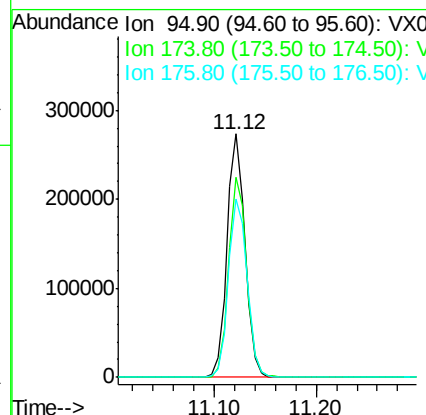
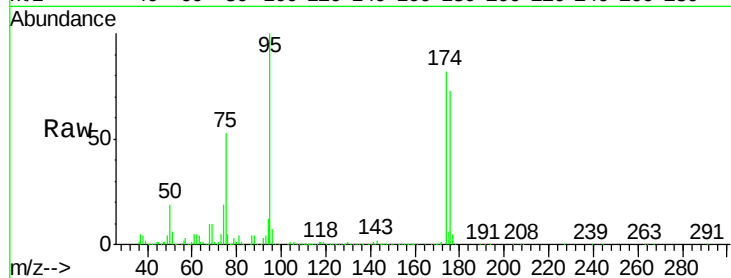
#62
4-Bromofluorobenzene
Concen: 46.228 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018554.D
Acq: 23 Sep 2020 22:52

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20200916

Tot Ion	Ratio	Resp	Lower	Upper
95	100	335262		
174	82.1	0.0	161.4	
176	76.2	0.0	151.4	

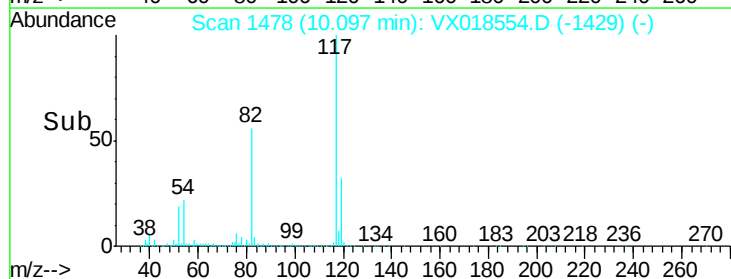
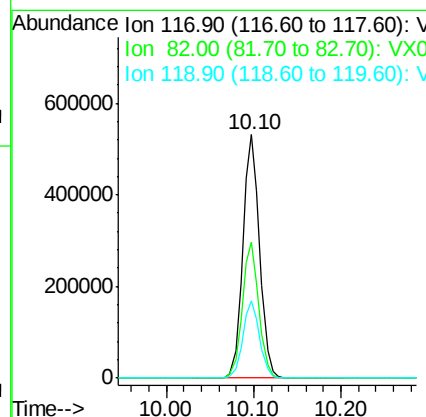
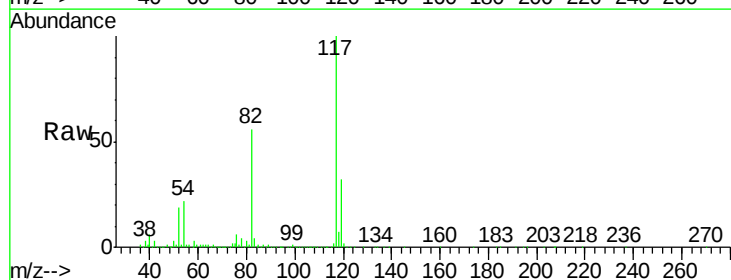
Manual Integrations
APPROVED

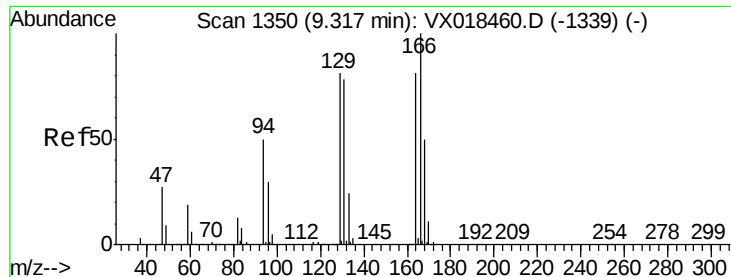
MMDadoda
9/24/2020 1:39:35 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018554.D
Acq: 23 Sep 2020 22:52

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	710059		
82	56.0	43.3	64.9	
119	32.0	25.9	38.9	





#64

Tetrachloroethene

Concen: 5.876 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX018554.D

Acq: 23 Sep 2020 22:52

Instrument :

MSVOA_X

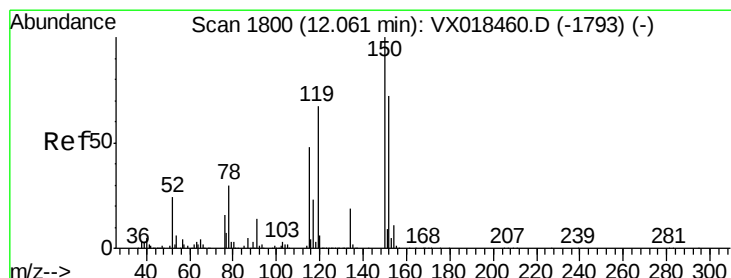
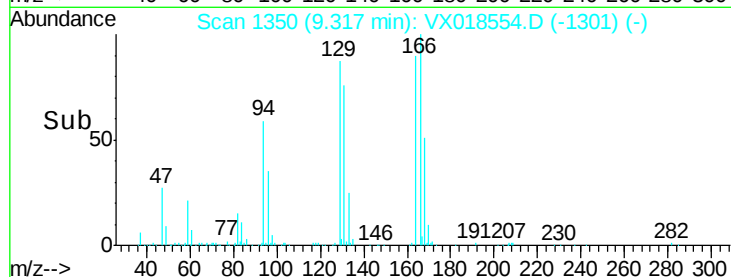
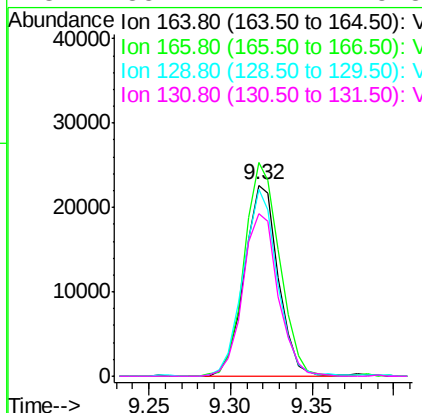
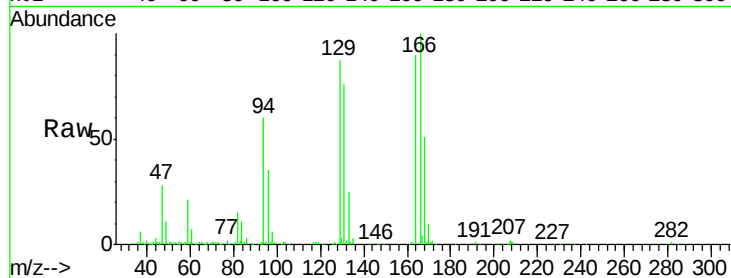
ClientSampleId :

DUP02-20200916

Tot Ion	Ratio	Lower	Upper
164	100		
166	111.7	99.3	148.9
129	97.5	80.7	121.1
131	85.4	77.2	115.8

Manual Integrations
APPROVED

MMDadoda
9/24/2020 1:39:35 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1801

Delta R.T. 0.01 min

Lab File: VX018554.D

Acq: 23 Sep 2020 22:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	41.8	125.4
150	157.7	0.0	342.4

