

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062620\
 Data File : VX016991.D
 Acq On : 26 Jun 2020 18:09
 Operator : JC/SP
 Sample : L3097-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 24BR-20200623

Manual Integrations
 APPROVED

MMDadoda
 6/29/2020 12:32:43 PM

Quant Time: Jun 29 06:35:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 26 08:34:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	252537	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	448445	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	463567	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	237223	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	188167	49.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.68%	
35) Dibromofluoromethane	5.46	113	149962	50.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.26%	
50) Toluene-d8	8.70	98	563772	51.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.86%	
62) 4-Bromofluorobenzene	11.12	95	239975	57.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.32%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.18	85	119186	49.521	ug/l	98
3) Chloromethane	1.32	50	1829	0.591	ug/l	91
4) Vinyl Chloride	1.39	62	3596785	1135.034	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	313010	113.126	ug/l	97
12) 1,1-Dichloroethene	2.36	96	150343	53.709	ug/l	95
16) Acetone	2.42	43	7430	4.984	ug/l #	87
20) Methylene Chloride	2.84	84	1057	0.312	ug/l #	78
21) trans-1,2-Dichloroethene	3.15	96	139798	44.203	ug/l	98
24) 1,1-Dichloroethane	3.68	63	7320	1.277	ug/l #	93
27) cis-1,2-Dichloroethene	4.58	96	22951780	6567.377	ug/l	83
44) Trichloroethene	7.21	130	46171548m	13563.832	ug/l	
52) Toluene	8.77	92	3058	0.388	ug/l	91
64) Tetrachloroethene	9.32	164	16586	5.286	ug/l	95

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

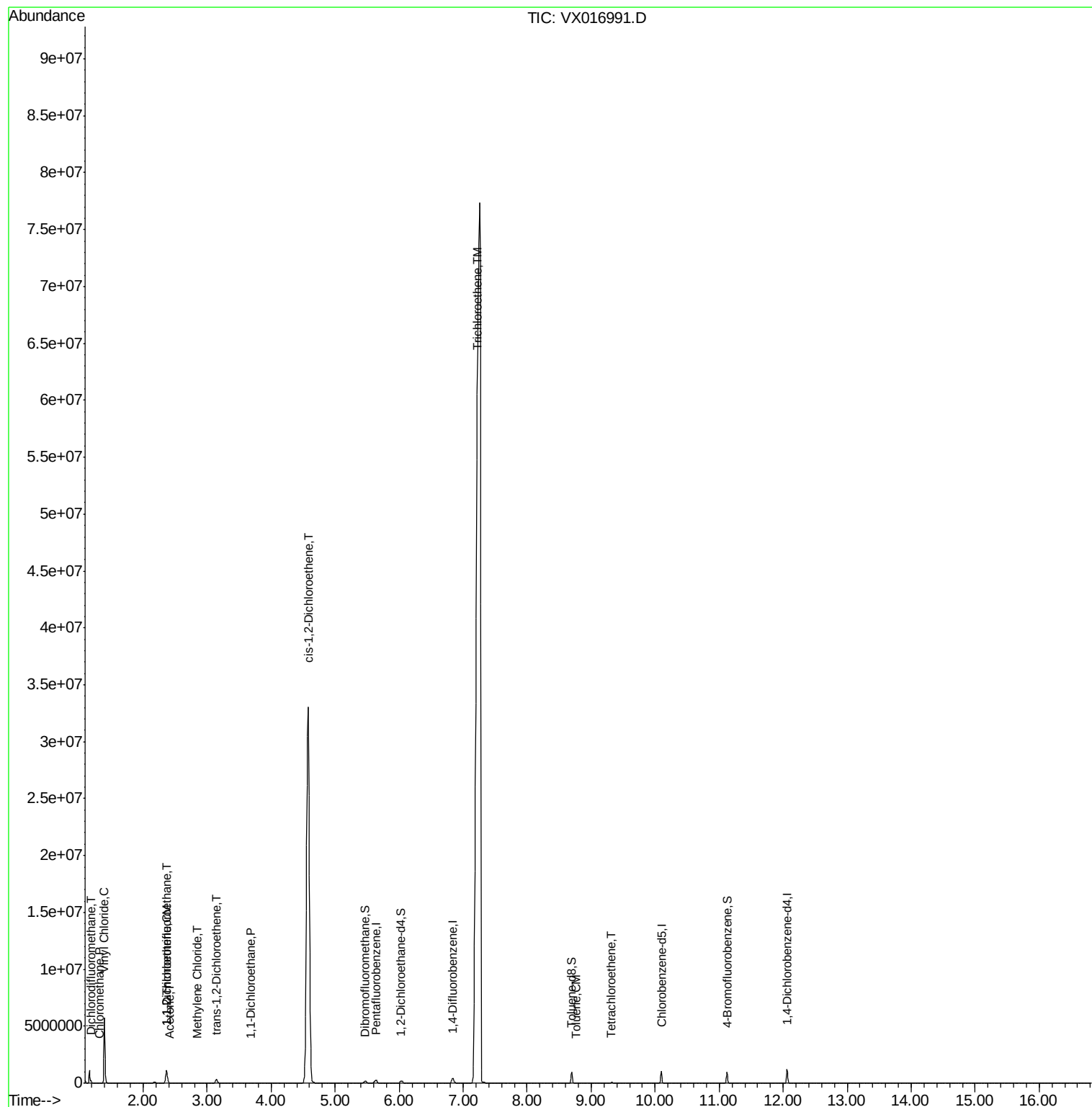
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062620\
Data File : VX016991.D
Acq On : 26 Jun 2020 18:09
Operator : JC/SP
Sample : L3097-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 24 Sample Multiplier: 1

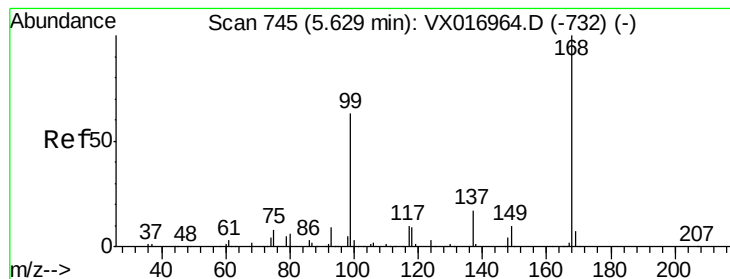
Instrument :
MSVOA_X
ClientSampleId :
24BR-20200623

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:32:43 PM

Quant Time: Jun 29 06:35:38 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062620W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 26 08:34:16 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016991.D

Acq: 26 Jun 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

24BR-20200623

Tot Ion:168 Resp: 252537

Ion Ratio Lower Upper

168 100

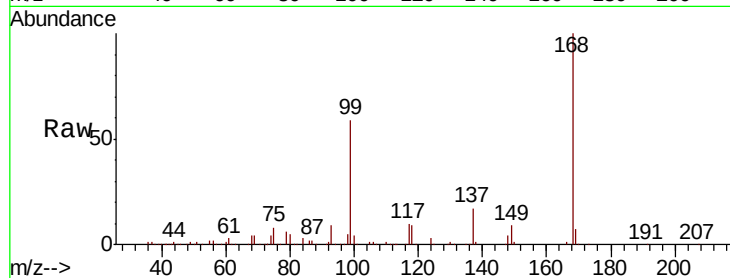
99 59.4 50.2 75.2

Manual Integrations

APPROVED

MMDadoda

6/29/2020 12:32:43 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

60000

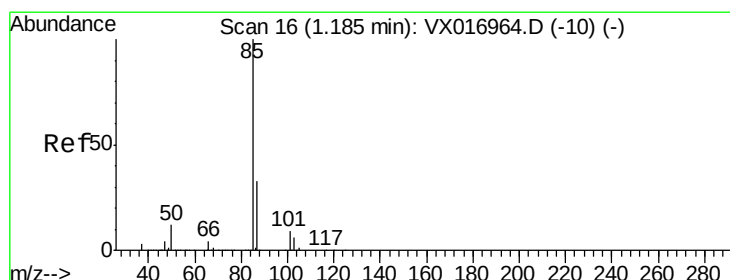
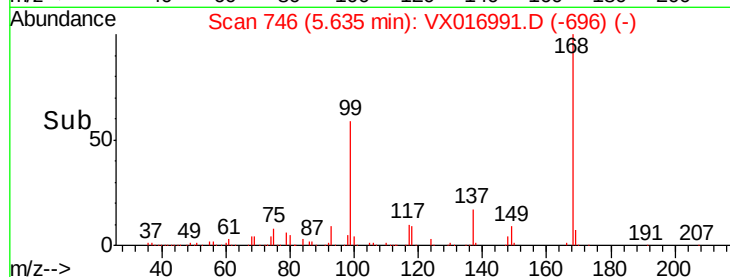
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 49.521 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX016991.D

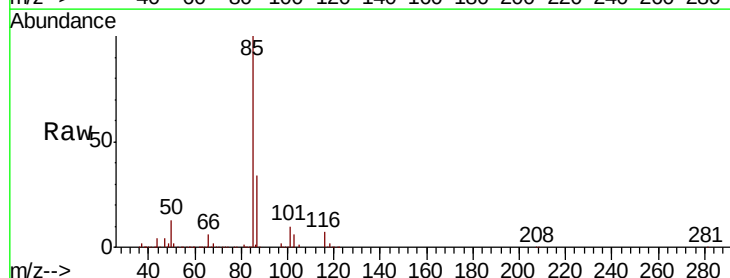
Acq: 26 Jun 2020 18:09

Tgt Ion: 85 Resp: 119186

Ion Ratio Lower Upper

85 100

87 33.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

150000

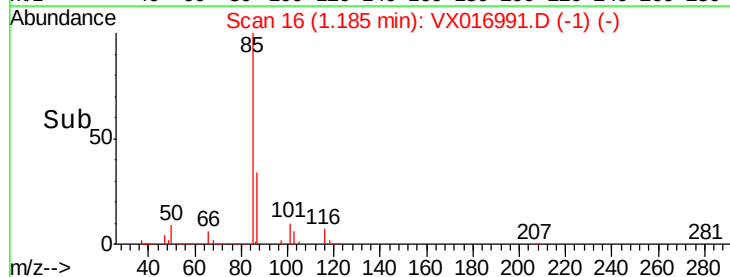
100000

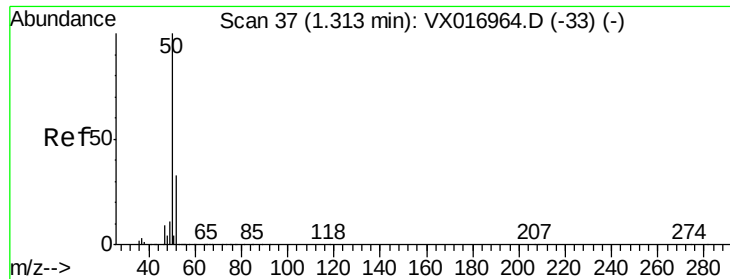
50000

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 0.591 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016991.D

Acq: 26 Jun 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

24BR-20200623

Tot Ion: 50 Resp: 1829

Ion Ratio Lower Upper

50 100

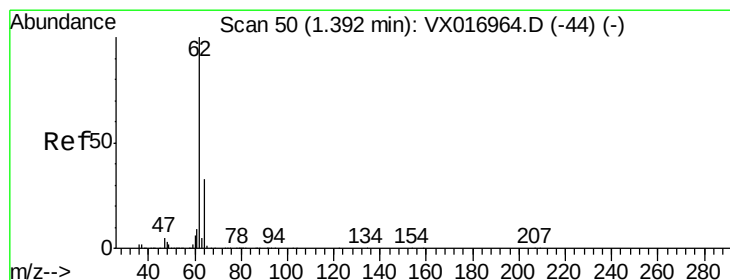
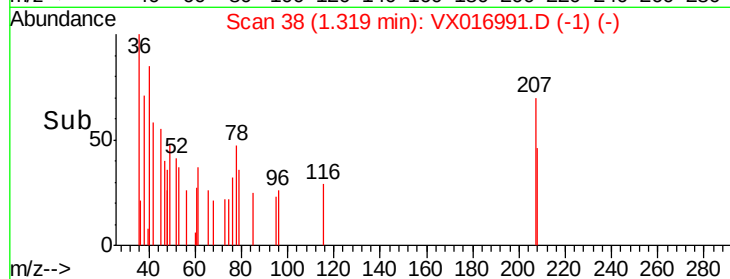
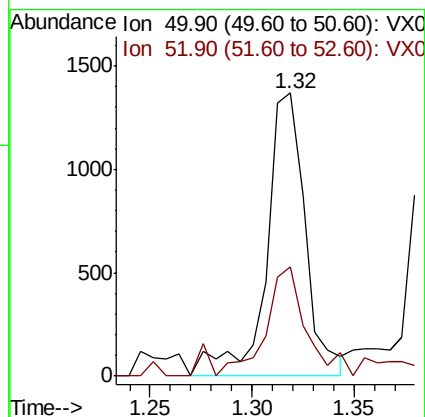
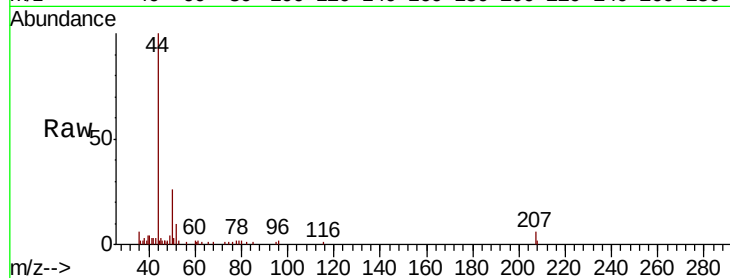
52 38.5 26.6 40.0

Manual Integrations

APPROVED

MMDadoda

6/29/2020 12:32:43 PM



#4

Vinyl Chloride

Concen: 1135.034 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016991.D

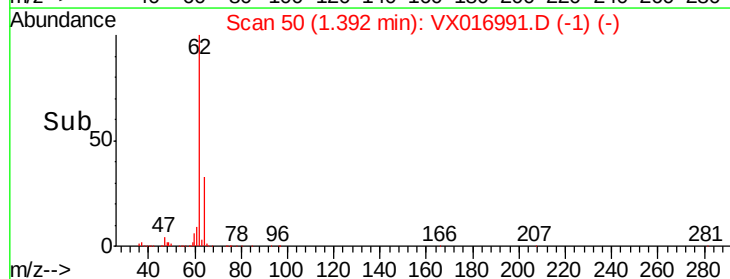
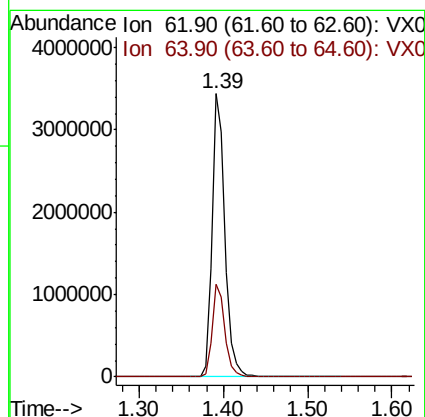
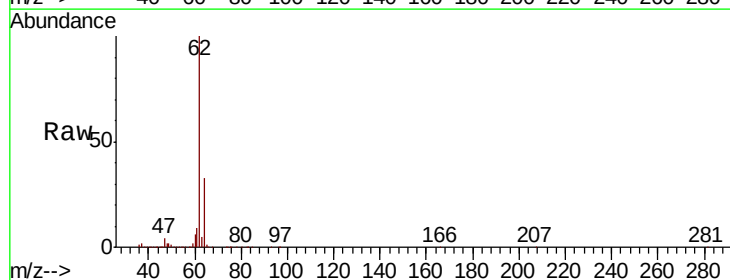
Acq: 26 Jun 2020 18:09

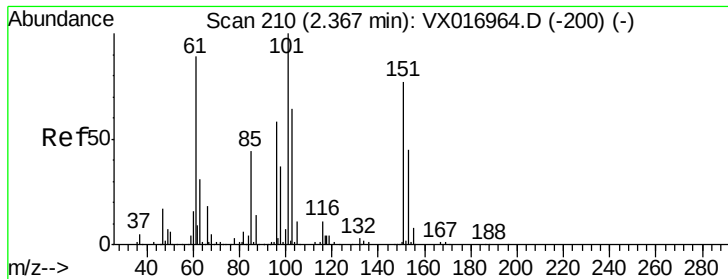
Tgt Ion: 62 Resp: 3596785

Ion Ratio Lower Upper

62 100

64 32.7 26.3 39.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 113.126 ug/l

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX016991.D

Acq: 26 Jun 2020 18:09

Instrument :

MSVOA_X

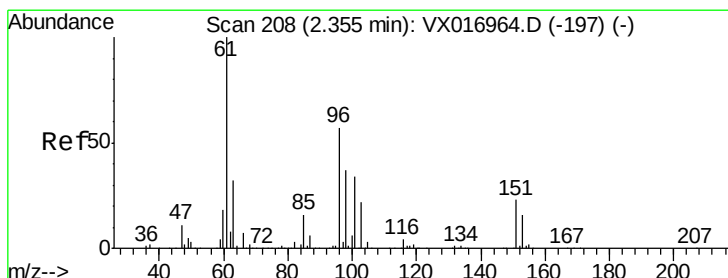
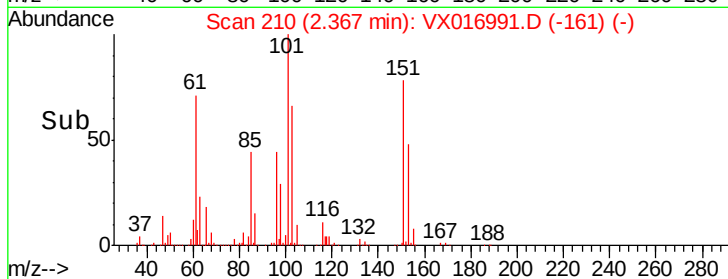
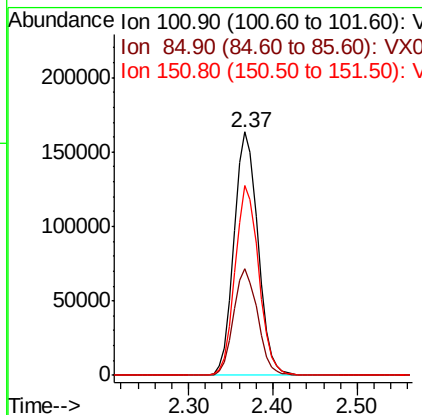
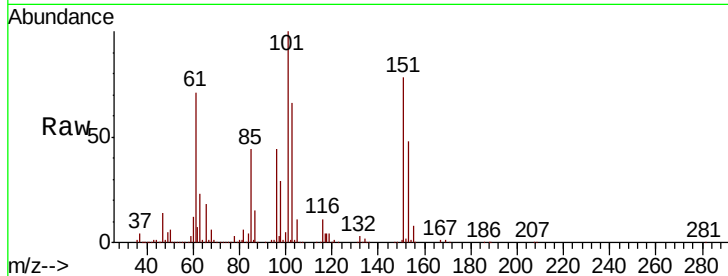
ClientSampleId :

24BR-20200623

Tot Ion:	101	Resp:	313010
Ion Ratio	Lower	Upper	
101	100		
85	44.0	36.8	55.2
151	77.0	59.8	89.6

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:32:43 PM



#12

1,1-Dichloroethene

Concen: 53.709 ug/l

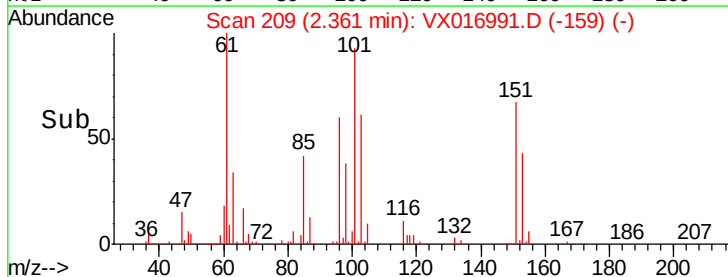
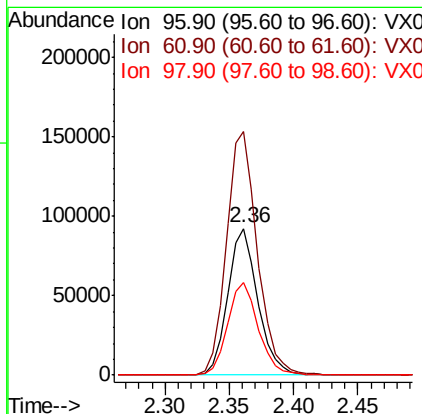
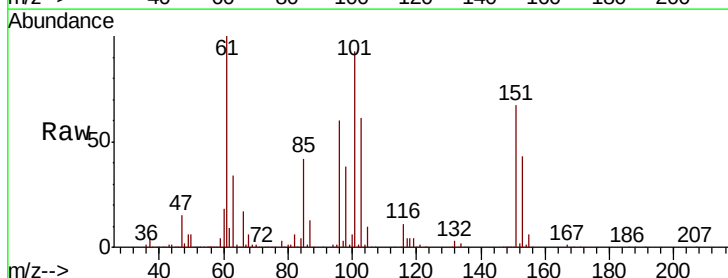
RT: 2.36 min Scan# 209

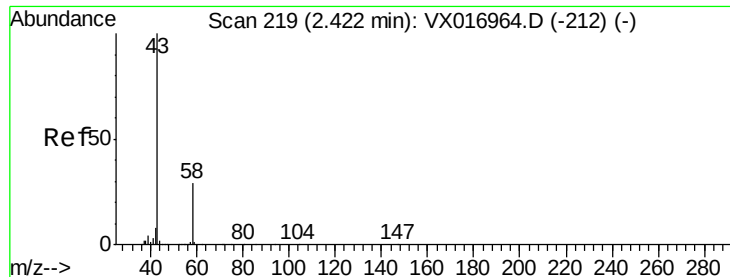
Delta R.T. 0.01 min

Lab File: VX016991.D

Acq: 26 Jun 2020 18:09

Tgt Ion:	96	Resp:	150343
Ion Ratio	Lower	Upper	
96	100		
61	166.4	139.7	209.5
98	63.1	51.0	76.6





#16

Acetone

Concen: 4.984 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX016991.D

Acq: 26 Jun 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

24BR-20200623

Tot Ion: 43 Resp: 7430

Ion Ratio Lower Upper

43 100

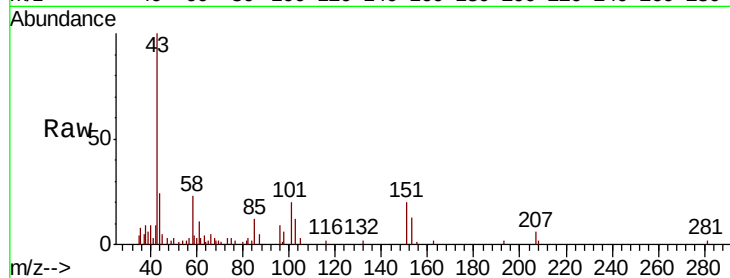
58 22.4 23.5 35.3#

Manual Integrations

APPROVED

MMDadoda

6/29/2020 12:32:43 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

5000

4000

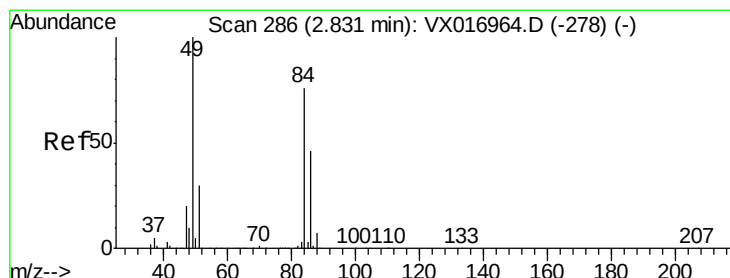
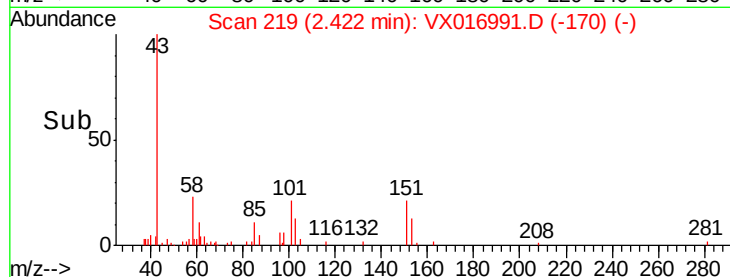
3000

2000

1000

0

Time--> 2.35 2.40 2.45 2.50



#20

Methylene Chloride

Concen: 0.312 ug/l

RT: 2.84 min Scan# 288

Delta R.T. 0.01 min

Lab File: VX016991.D

Acq: 26 Jun 2020 18:09

Tgt Ion: 84 Resp: 1057

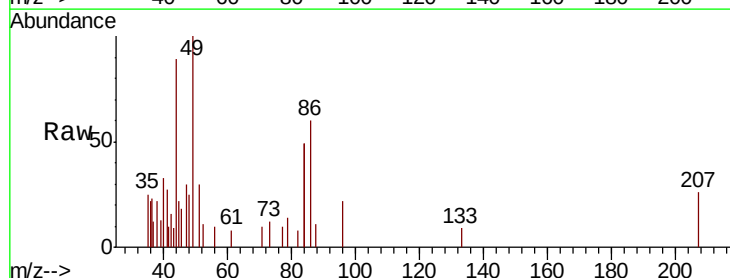
Ion Ratio Lower Upper

84 100

49 92.7 105.6 158.4#

51 30.3 31.2 46.8#

86 61.4 48.8 73.2



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

1000

800

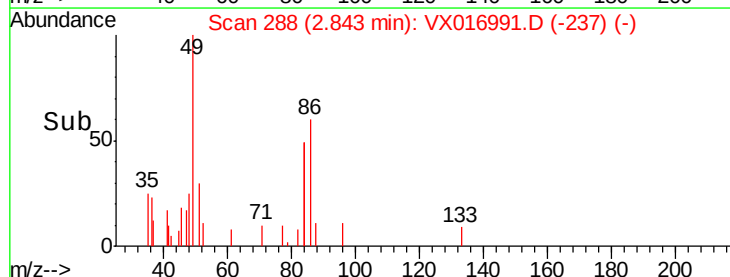
600

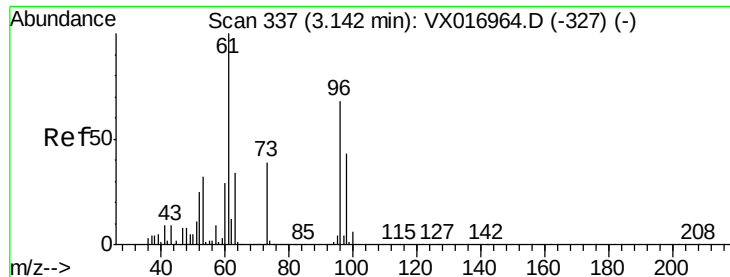
400

200

0

Time--> 2.80 2.85





#21

trans-1,2-Dichloroethene

Concen: 44.203 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX016991.D

Acq: 26 Jun 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

24BR-20200623

Tot Ion: 96 Resp: 139798

Ion Ratio Lower Upper

96 100

61 143.2 116.7 175.1

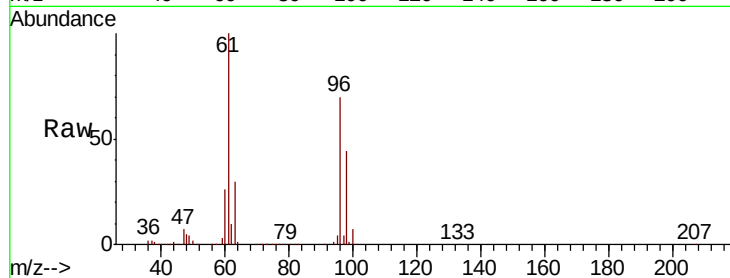
98 62.7 50.7 76.1

Manual Integrations

APPROVED

MMDadoda

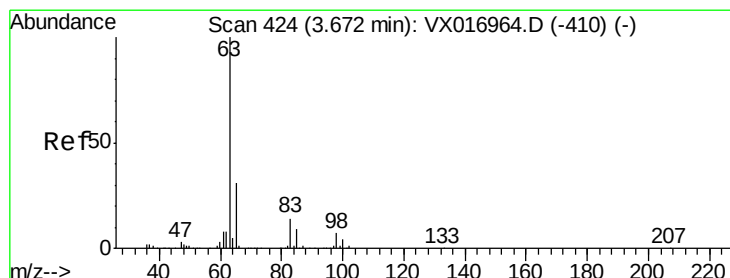
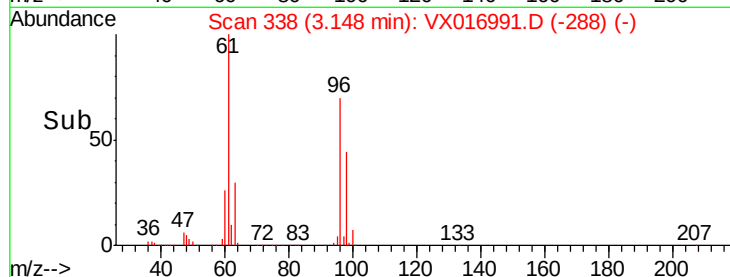
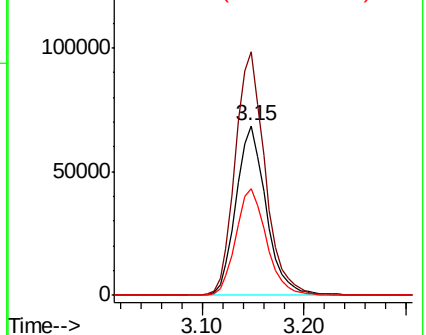
6/29/2020 12:32:43 PM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#24

1,1-Dichloroethane

Concen: 1.277 ug/l

RT: 3.68 min Scan# 425

Delta R.T. 0.01 min

Lab File: VX016991.D

Acq: 26 Jun 2020 18:09

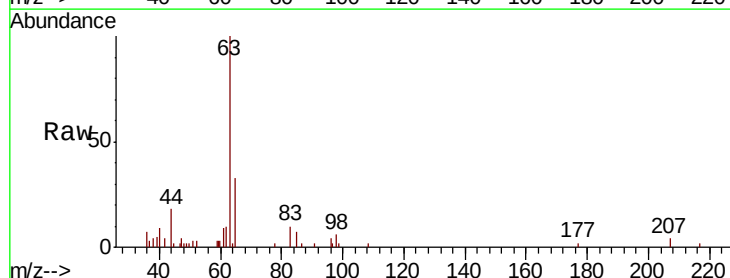
Tgt Ion: 63 Resp: 7320

Ion Ratio Lower Upper

63 100

98 6.1 3.6 10.8

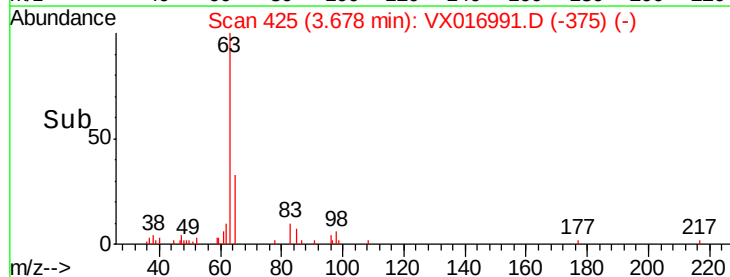
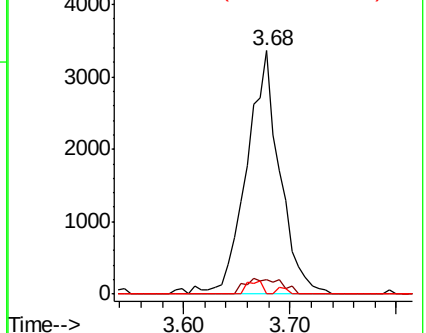
100 0.0 2.1 6.3#

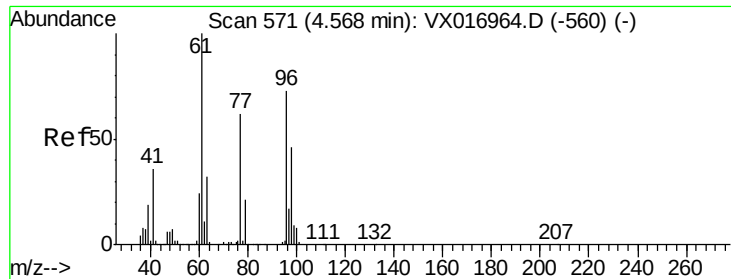


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#27

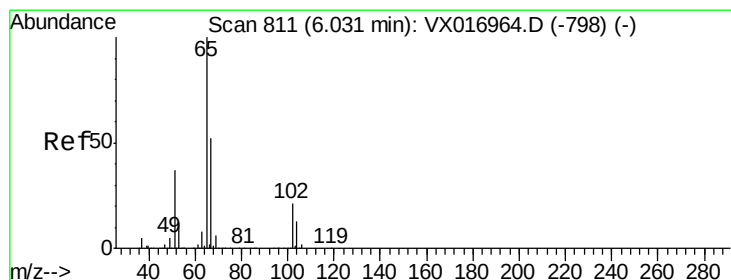
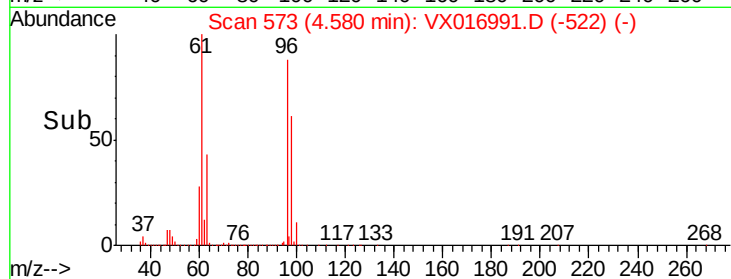
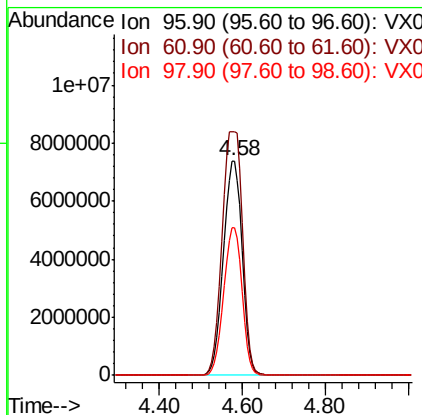
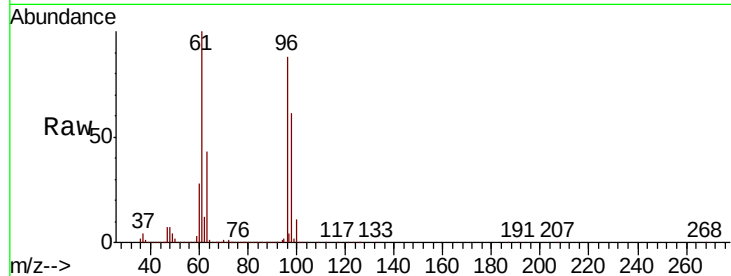
cis-1,2-Dichloroethene
 Concen: 6567.377 ug/l
 RT: 4.58 min Scan# 573
 Delta R.T. 0.01 min
 Lab File: VX016991.D
 Acq: 26 Jun 2020 18:09

Instrument :
 MSVOA_X
 ClientSampleId :
 24BR-20200623

Tot Ion: 96 Resp: 22951780
 Ion Ratio Lower Upper
 96 100
 61 124.3 0.0 307.2
 98 67.5 0.0 128.4

Manual Integrations
 APPROVED

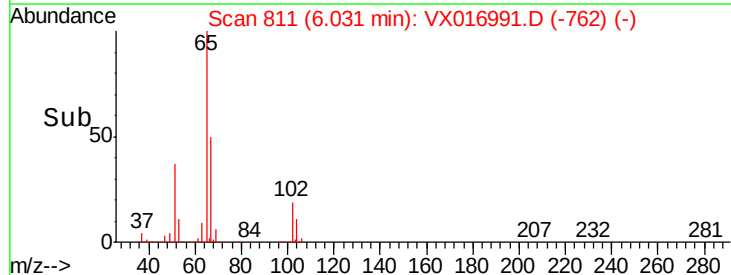
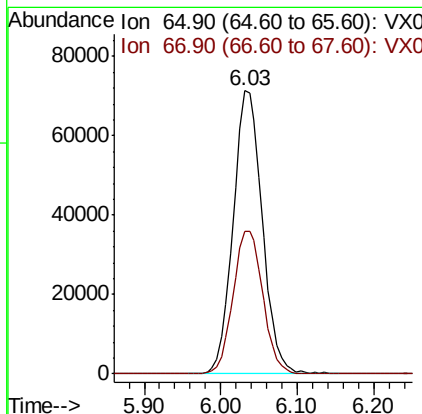
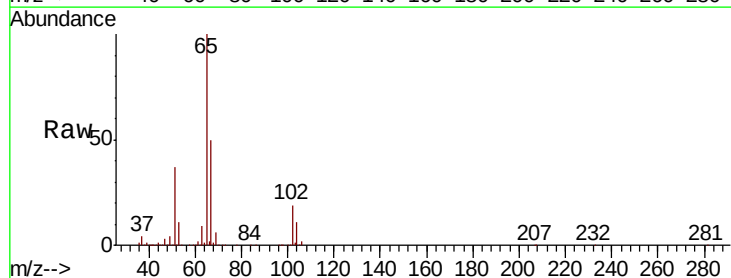
MMDadoda
 6/29/2020 12:32:43 PM

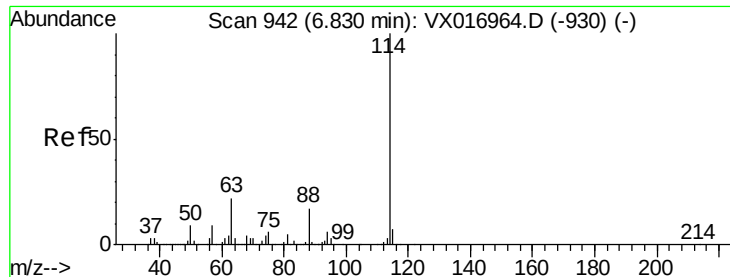


#33

1,2-Dichloroethane-d4
 Concen: 49.341 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016991.D
 Acq: 26 Jun 2020 18:09

Tgt Ion: 65 Resp: 188167
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016991.D

Acq: 26 Jun 2020 18:09

Instrument :

MSVOA_X

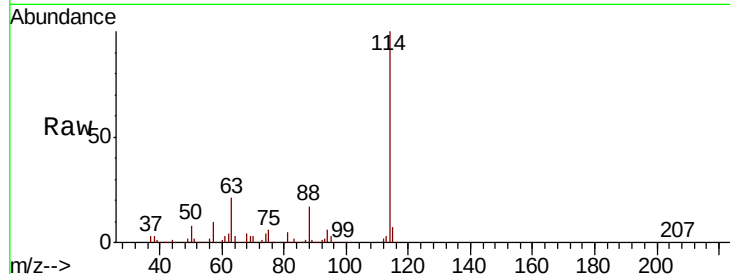
ClientSampleId :

24BR-20200623

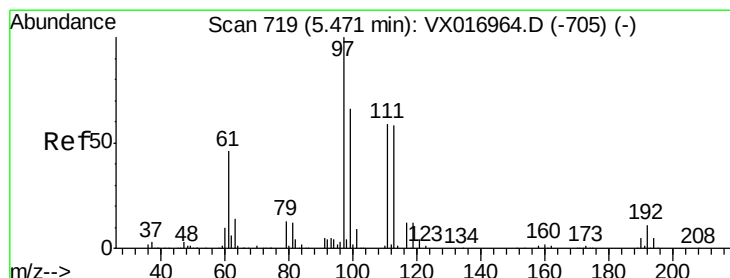
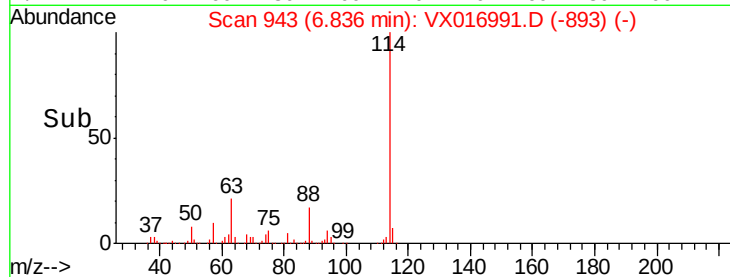
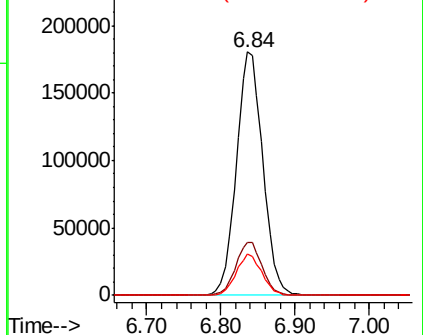
Tot Ion:	114	Resp:	448445
Ion Ratio	Lower	Upper	
114	100		
63	21.5	0.0	44.4
88	17.0	0.0	33.2

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:32:43 PM



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: 50.631 ug/l

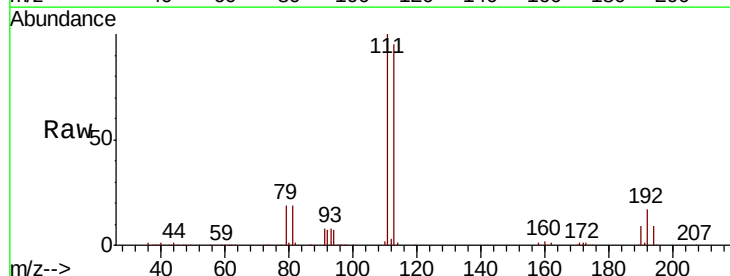
RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

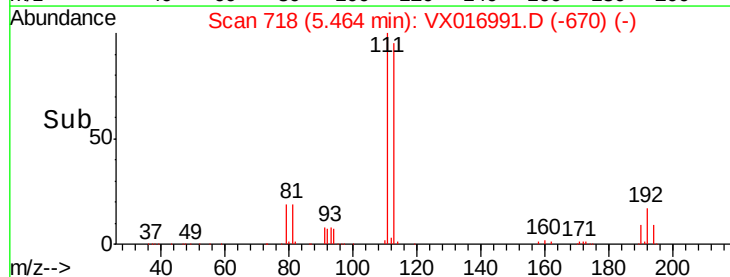
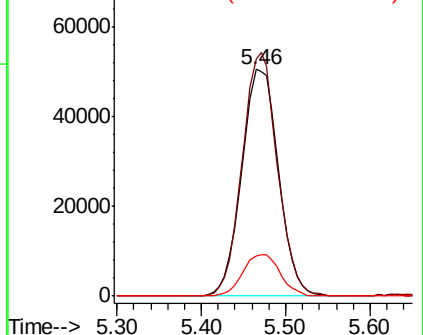
Lab File: VX016991.D

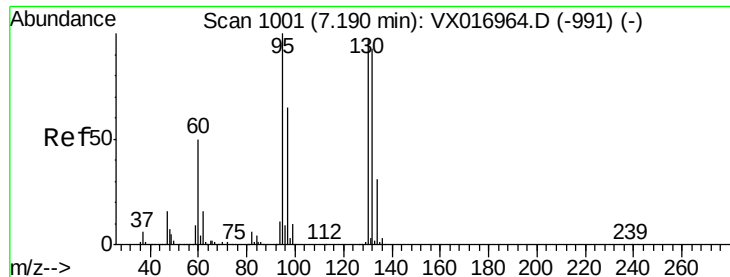
Acq: 26 Jun 2020 18:09

Tgt Ion:	113	Resp:	149962
Ion Ratio	Lower	Upper	
113	100		
111	102.6	84.3	126.5
192	18.7	15.2	22.8



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 13563.832 ug/l m

RT: 7.21 min Scan# 1005

Delta R.T. 0.02 min

Lab File: VX016991.D

Acq: 26 Jun 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

24BR-20200623

Tot Ion:130 Resp:46171548

Ion Ratio Lower Upper

130 100

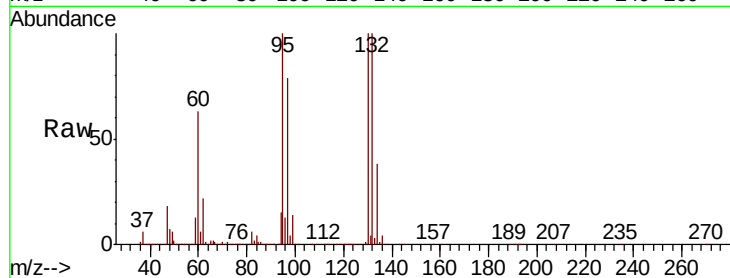
95 100.0 0.0 206.6

Manual Integrations

APPROVED

MMDadoda

6/29/2020 12:32:43 PM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

8000000

6000000

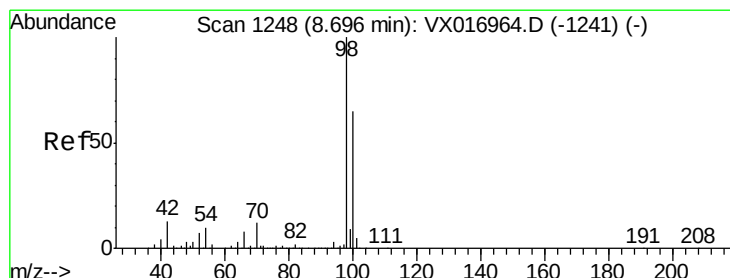
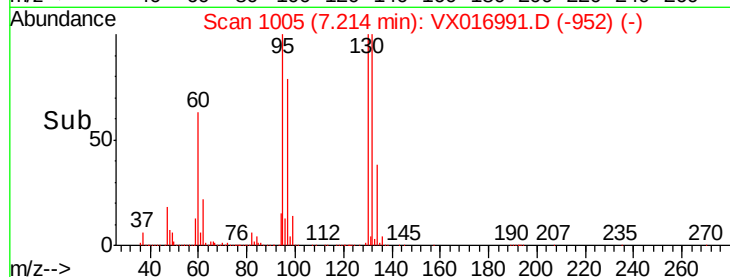
4000000

2000000

0

7.00 7.20 7.40 7.60

Time-->



#50

Toluene-d8

Concen: 51.927 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016991.D

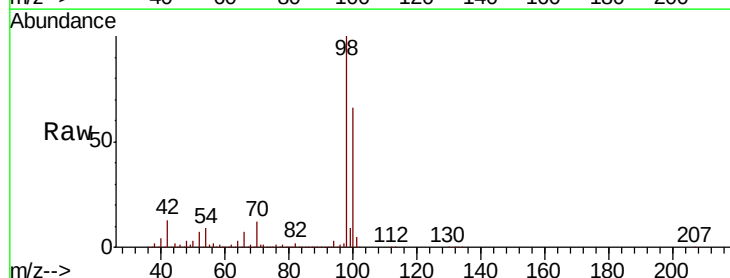
Acq: 26 Jun 2020 18:09

Tgt Ion: 98 Resp: 563772

Ion Ratio Lower Upper

98 100

100 66.3 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

400000

300000

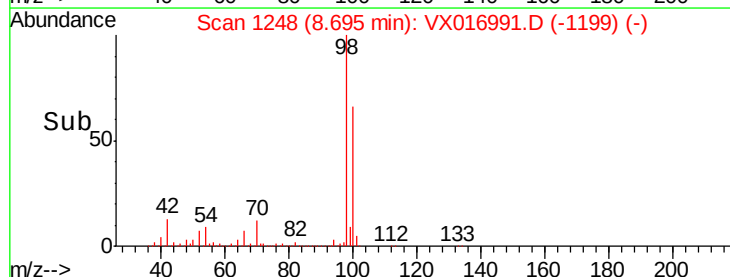
200000

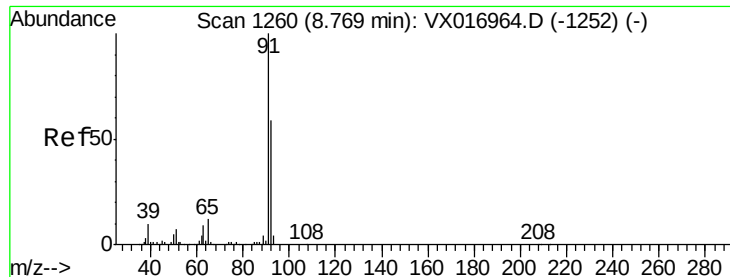
100000

0

8.60 8.70 8.80

Time-->





#52

Toluene

Concen: 0.388 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016991.D

Acq: 26 Jun 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

24BR-20200623

Tot Ion: 92 Resp: 3058

Ion Ratio Lower Upper

92 100

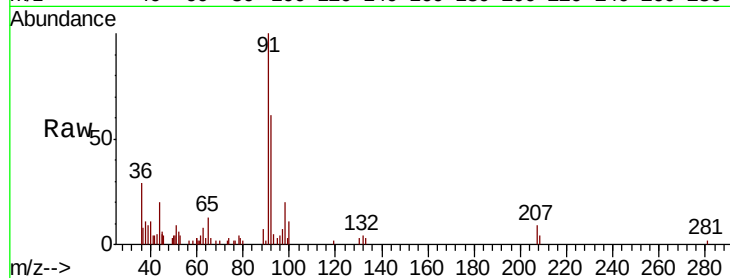
91 158.9 136.7 205.1

Manual Integrations

APPROVED

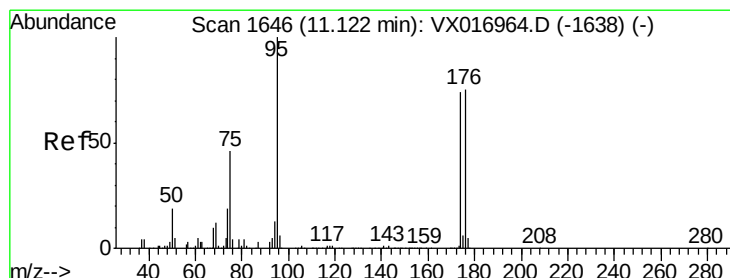
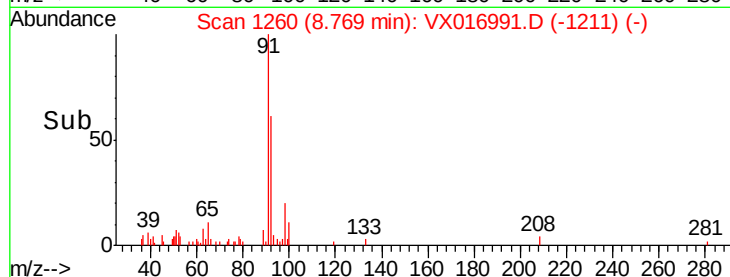
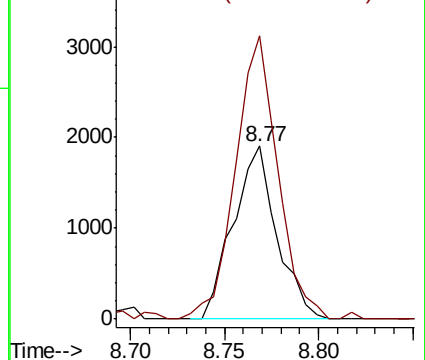
MMDadoda

6/29/2020 12:32:43 PM



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 57.160 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016991.D

Acq: 26 Jun 2020 18:09

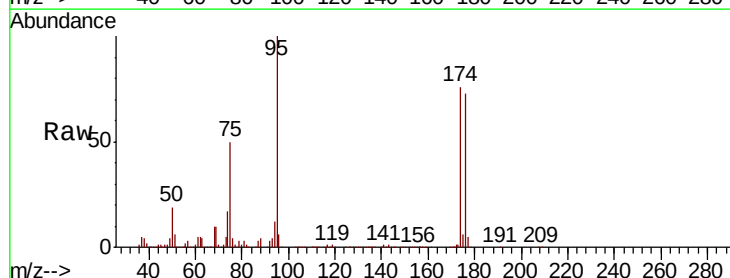
Tgt Ion: 95 Resp: 239975

Ion Ratio Lower Upper

95 100

174 74.8 0.0 149.6

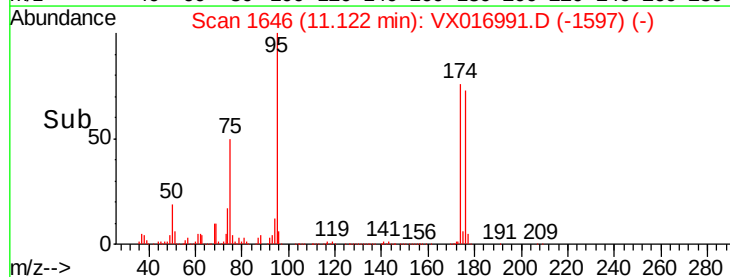
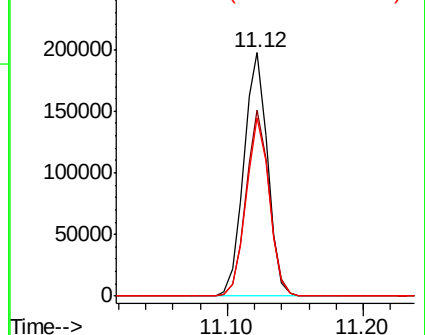
176 71.9 0.0 148.2

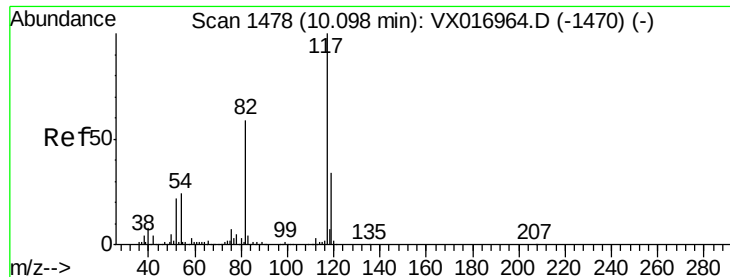


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





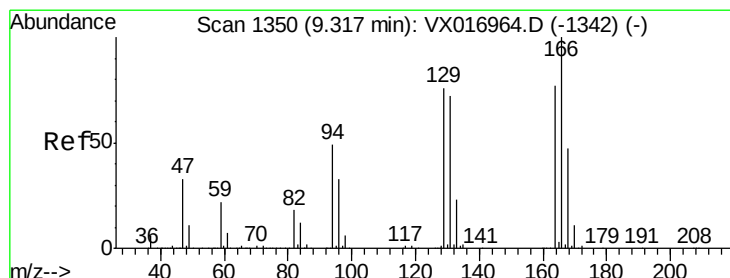
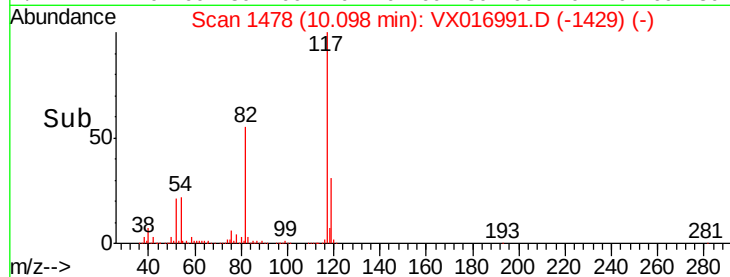
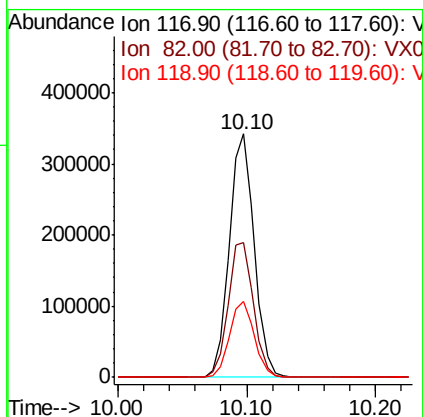
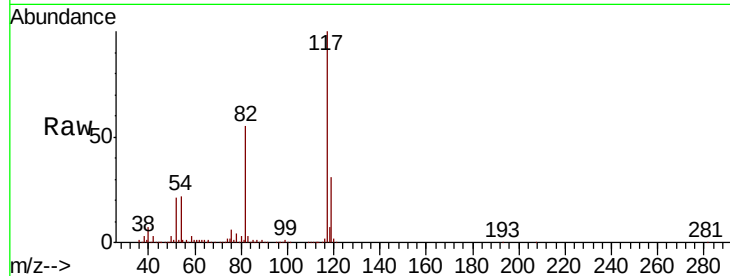
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016991.D
Acq: 26 Jun 2020 18:09

Instrument :
MSVOA_X
ClientSampleId :
24BR-20200623

Tot Ion	Ratio	Resp	Lower	Upper
117	100	463567		
82	55.3	46.8	70.2	
119	31.4	27.3	40.9	

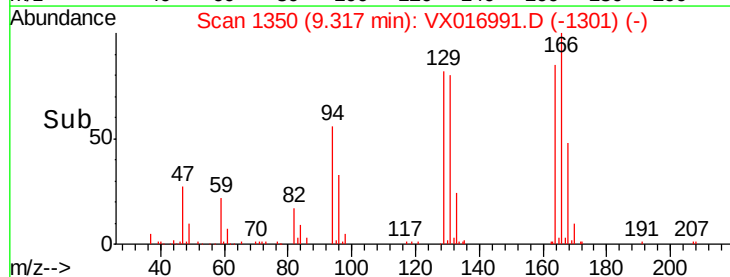
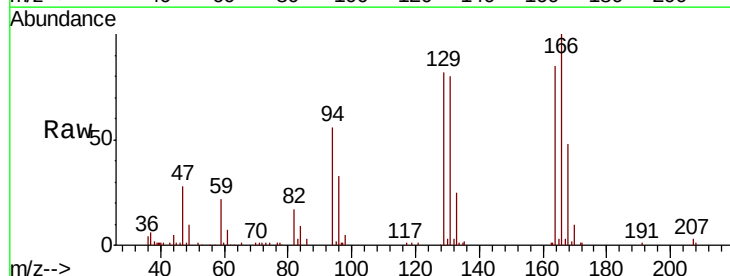
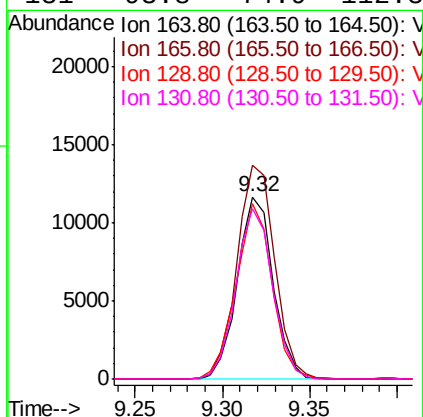
Manual Integrations
APPROVED

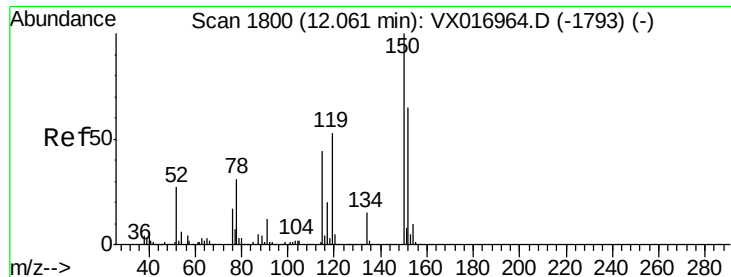
MMDadoda
6/29/2020 12:32:43 PM



#64
Tetrachloroethene
Concen: 5.286 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016991.D
Acq: 26 Jun 2020 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	16586		
166	117.5	104.2	156.4	
129	96.8	79.3	118.9	
131	93.8	74.9	112.3	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016991.D

Acq: 26 Jun 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

24BR-20200623

Tot Ion:152 Resp: 237223

Ion Ratio Lower Upper

152 100

115 61.2 42.8 128.4

150 156.8 0.0 347.8

Manual Integrations

APPROVED

MMDadoda

6/29/2020 12:32:43 PM

