

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092520\
 Data File : VN063682.D
 Acq On : 25 Sep 2020 16:43
 Operator : JC/MD
 Sample : L4119-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP05-20200921

Manual Integrations
 APPROVED

MMDadoda
 9/29/2020 10:40:49 AM

Quant Time: Sep 28 02:52:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	200819	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	379413	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	394732	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	166148	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	178435	52.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.40%	
35) Dibromofluoromethane	7.55	113	128080	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
50) Toluene-d8	10.06	98	495628	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
62) 4-Bromofluorobenzene	12.38	95	193499	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.04	50	965	0.321	ug/l #	70
9) 1,1,2-Trichlorotrifluoroet	3.72	101	13641	6.097	ug/l	99
12) 1,1-Dichloroethene	3.70	96	1472m	0.650	ug/l	
27) cis-1,2-Dichloroethene	6.79	96	2938	1.034	ug/l #	1
30) Chloroform	7.33	83	2723	0.544	ug/l	100
38) Carbon Tetrachloride	7.73	117	1061	0.257	ug/l #	62
44) Trichloroethene	8.80	130	1511249	539.988	ug/l	100
55) 1,1,2-Trichloroethane	10.54	97	799	0.290	ug/l #	66
64) Tetrachloroethene	10.60	164	2909	1.082	ug/l #	81

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

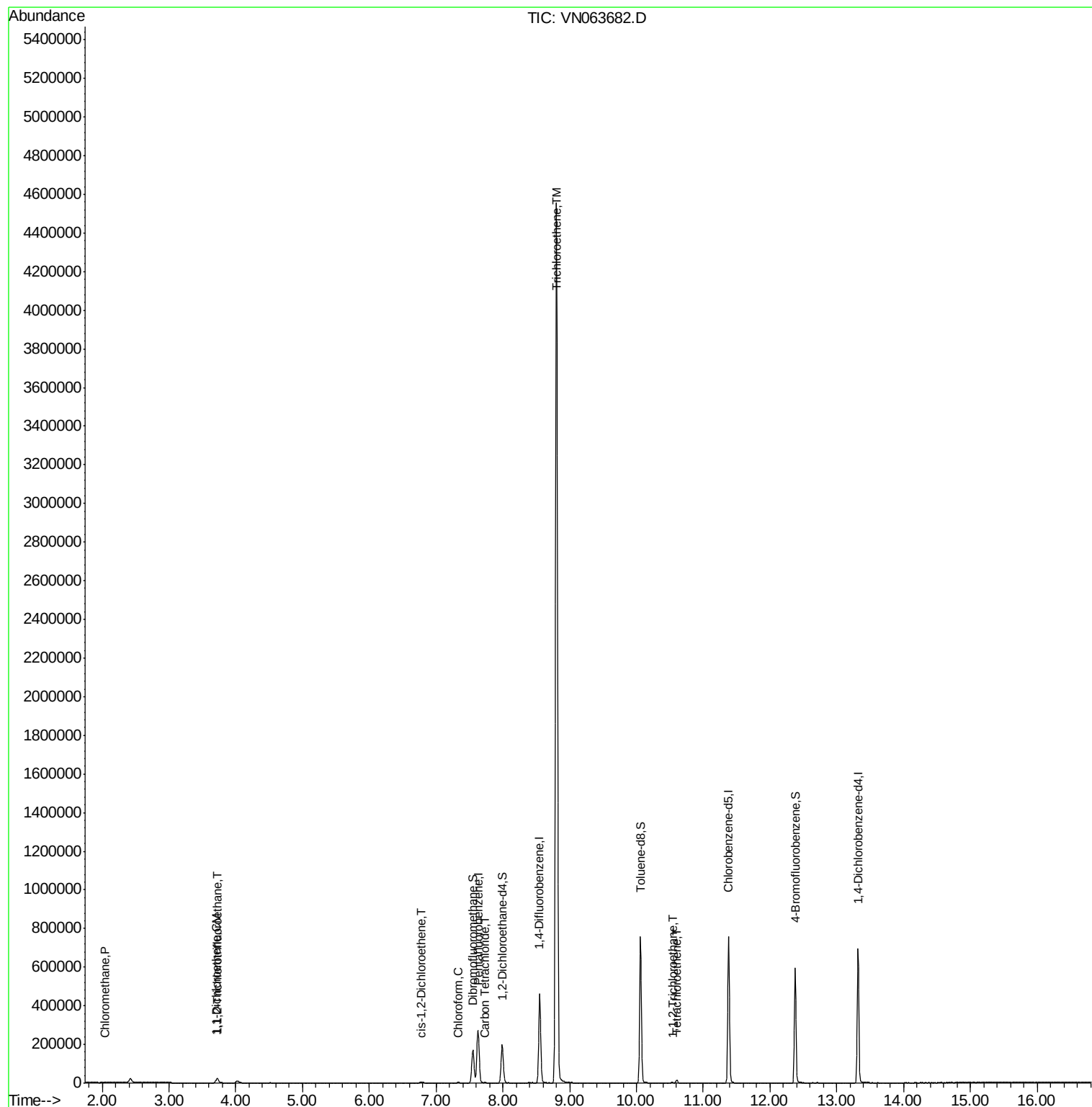
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092520\
Data File : VN063682.D
Acq On : 25 Sep 2020 16:43
Operator : JC/MD
Sample : L4119-12
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

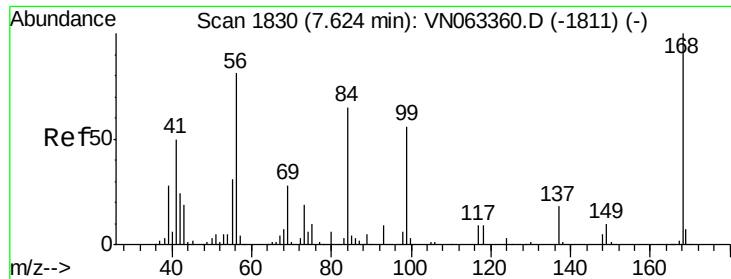
Instrument :
MSVOA_N
ClientSampleId :
DUP05-20200921

Manual Integrations
APPROVED

MMDadoda
9/29/2020 10:40:49 AM

Quant Time: Sep 28 02:52:34 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063682.D

Acq: 25 Sep 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

DUP05-20200921

Tot Ion:168 Resp: 200819

Ion Ratio Lower Upper

168 100

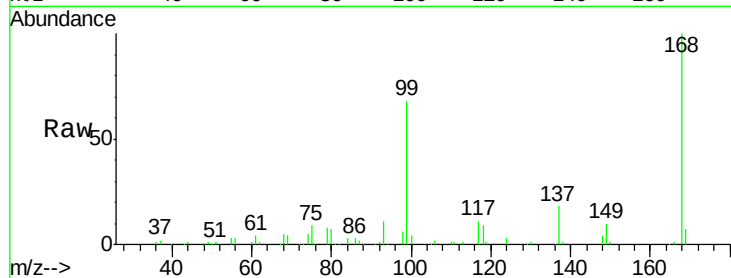
99 68.4 53.0 79.6

Manual Integrations

APPROVED

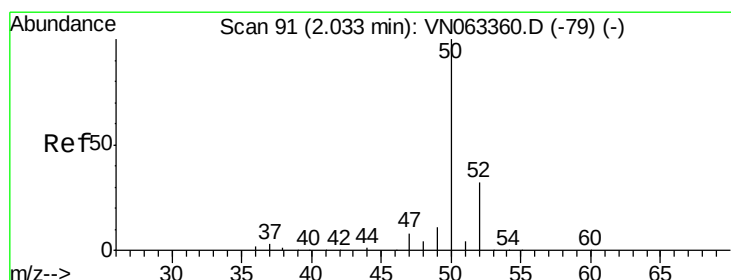
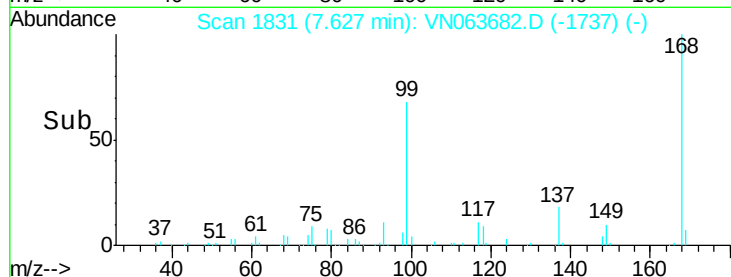
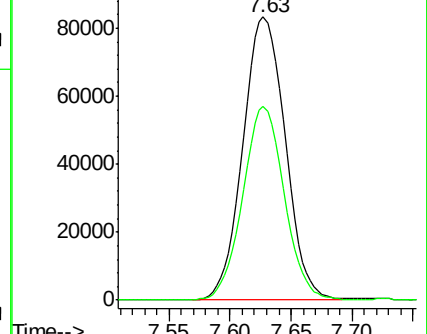
MMDadoda

9/29/2020 10:40:49 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 0.321 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063682.D

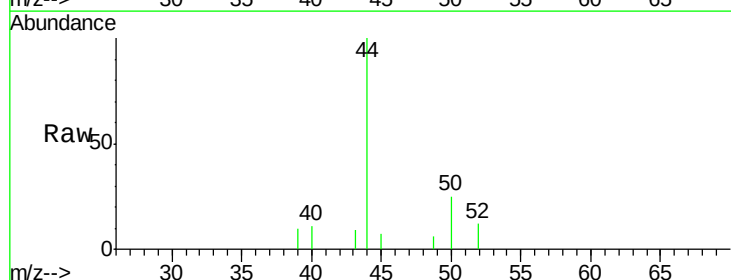
Acq: 25 Sep 2020 16:43

Tgt Ion: 50 Resp: 965

Ion Ratio Lower Upper

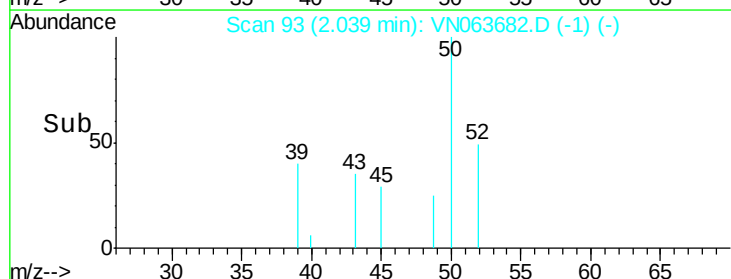
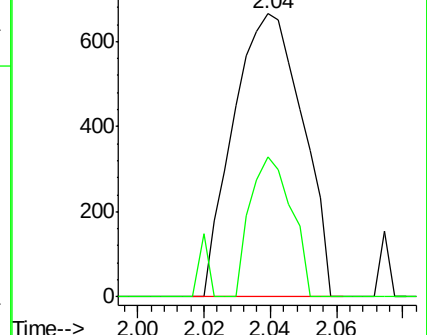
50 100

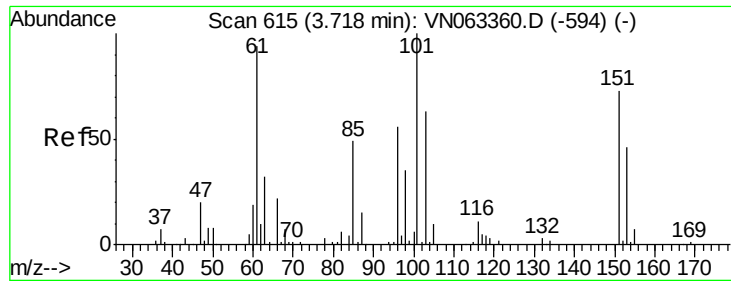
52 49.3 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.097 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063682.D

Acq: 25 Sep 2020 16:43

Instrument :

MSVOA_N

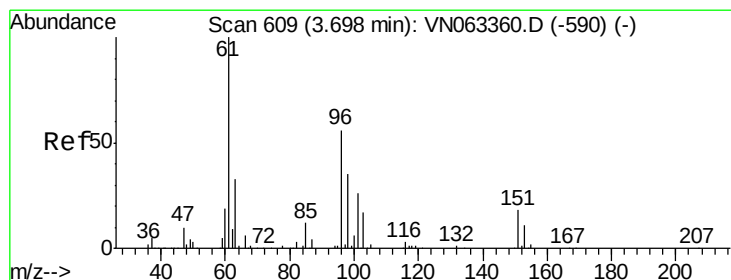
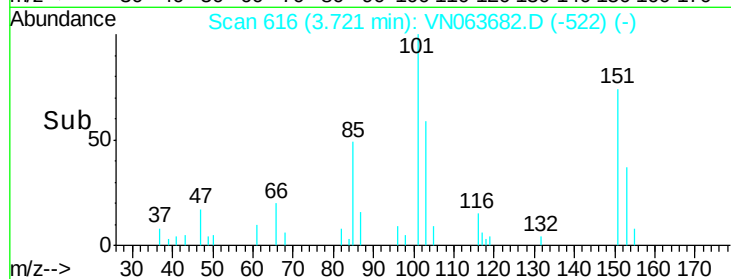
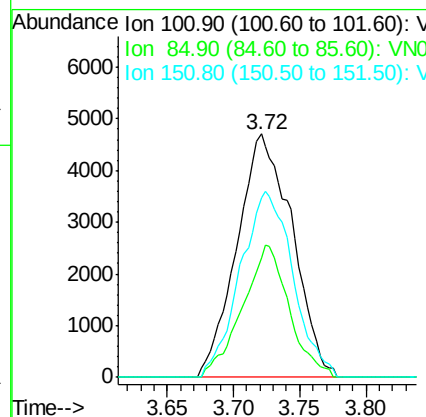
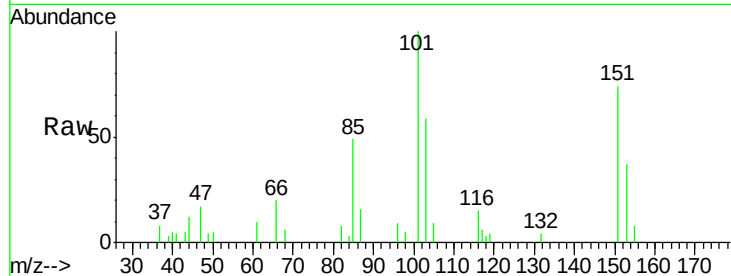
ClientSampleId :

DUP05-20200921

Tot Ion:	101	Resp:	13641
Ion Ratio	Lower	Upper	
101	100		
85	45.9	37.7	56.5
151	72.8	57.7	86.5

Manual Integrations
APPROVED

MMDadoda
9/29/2020 10:40:49 AM



#12

1,1-Dichloroethene

Concen: 0.650 ug/l m

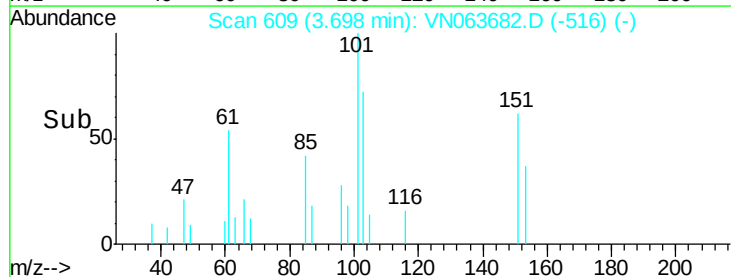
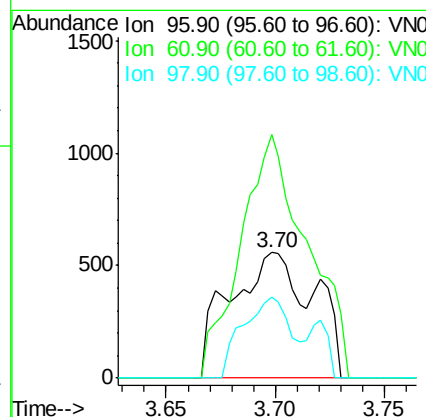
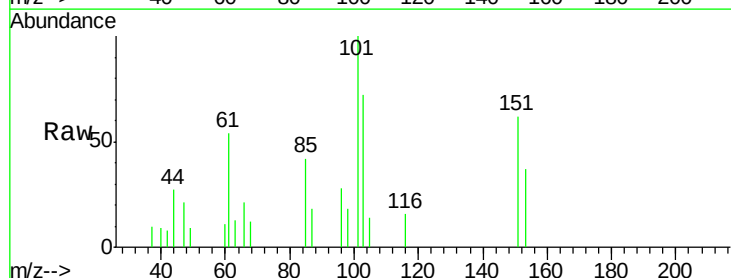
RT: 3.70 min Scan# 609

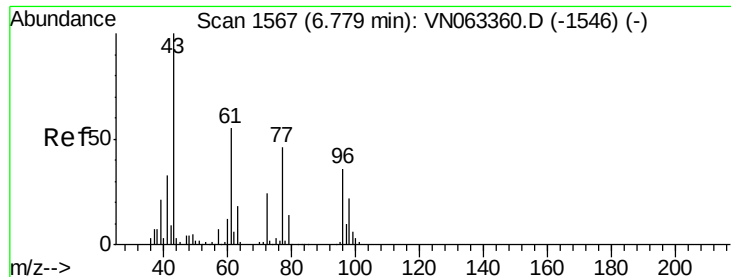
Delta R.T. -0.00 min

Lab File: VN063682.D

Acq: 25 Sep 2020 16:43

Tgt Ion:	96	Resp:	1472
Ion Ratio	Lower	Upper	
96	100		
61	193.6	143.4	215.2
98	64.4	50.6	76.0





#27

cis-1,2-Dichloroethene

Concen: 1.034 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN063682.D

Acq: 25 Sep 2020 16:43

Instrument :

MSVOA_N

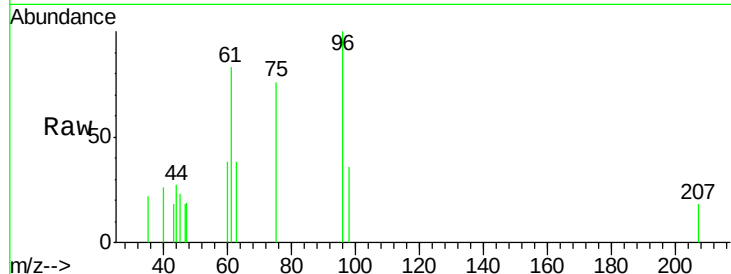
ClientSampleId :

DUP05-20200921

Tot Ion:	96	Resp:	2938
Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	319.6
98	26.0	0.0	127.8

Manual Integrations
APPROVED

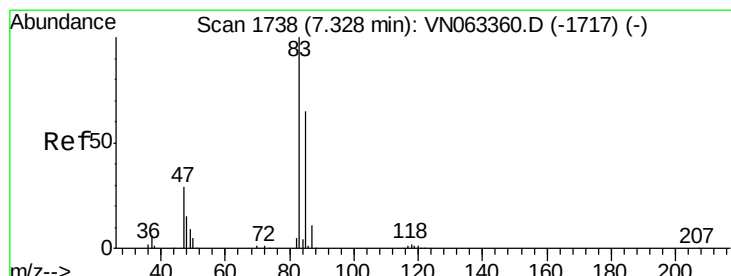
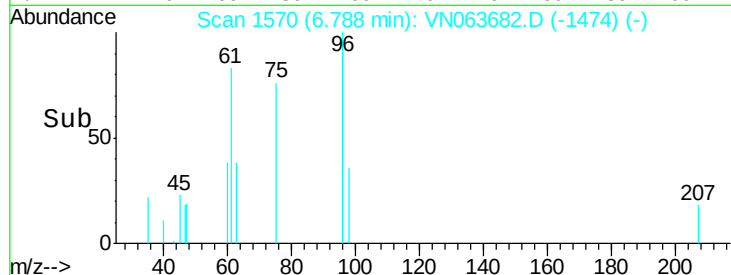
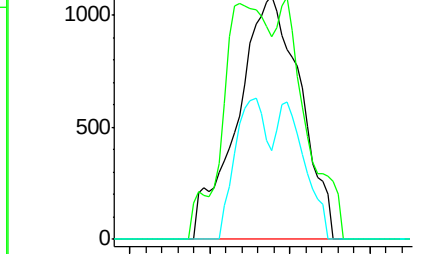
MMDadoda
9/29/2020 10:40:49 AM



Abundance Ion 95.90 (95.60 to 96.60): VN063360.D (-1546) (-)

Ion 60.90 (60.60 to 61.60): VN063360.D (-1546) (-)

Ion 97.90 (97.60 to 98.60): VN063360.D (-1546) (-)



#30

Chloroform

Concen: 0.544 ug/l

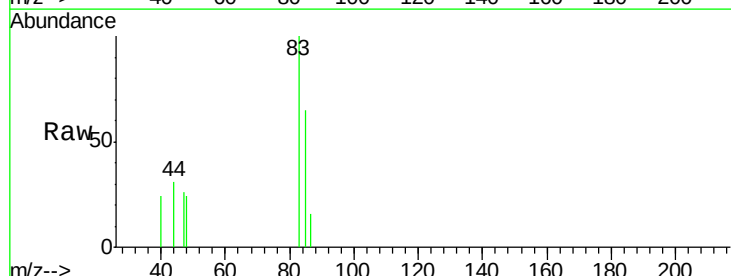
RT: 7.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VN063682.D

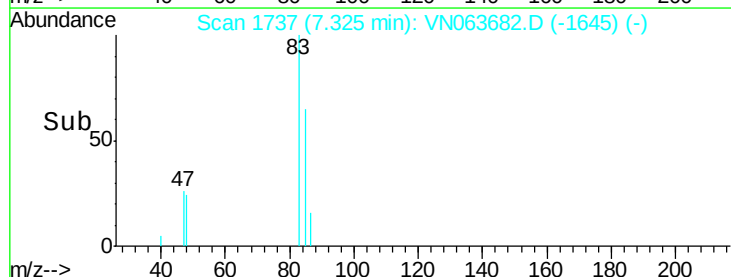
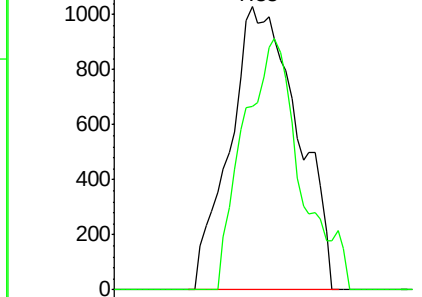
Acq: 25 Sep 2020 16:43

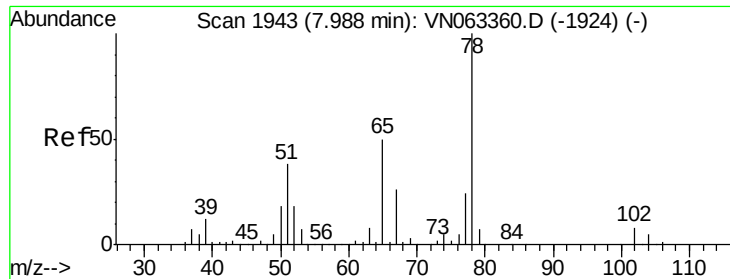
Tgt Ion:	83	Resp:	2723
Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.1	78.1



Abundance Ion 82.90 (82.60 to 83.60): VN063360.D (-1717) (-)

Ion 84.90 (84.60 to 85.60): VN063360.D (-1717) (-)





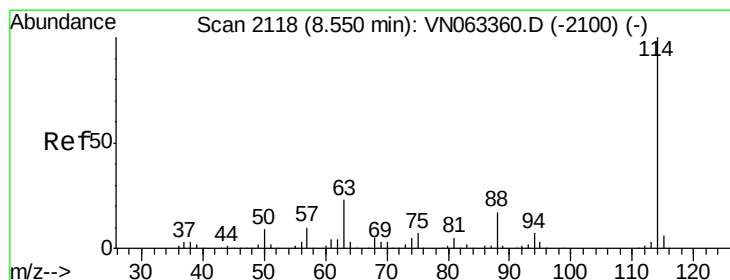
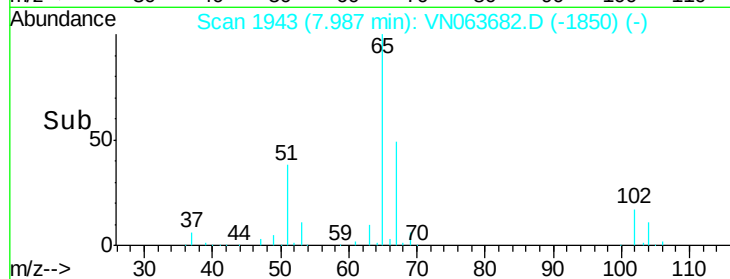
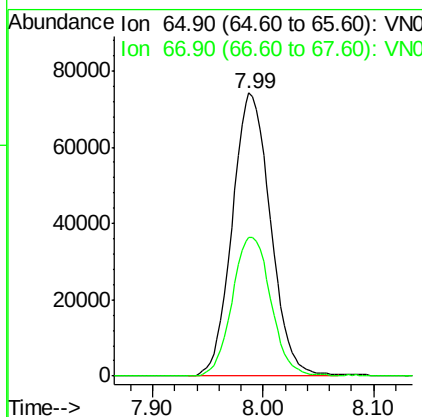
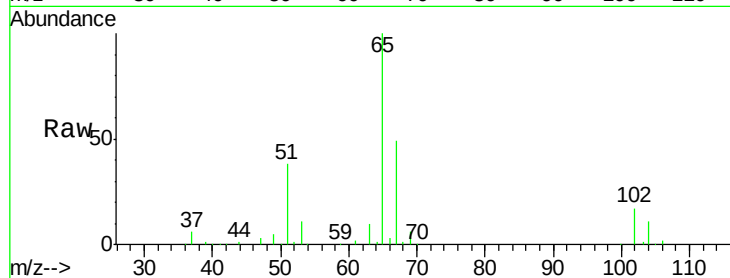
#33
 1,2-Dichloroethane-d4
 Concen: 52.197 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063682.D
 Acq: 25 Sep 2020 16:43

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP05-20200921

Tot Ion	Ratio	Resp	Lower	Upper
65	100	178435		
67	49.7	0.0	104.2	

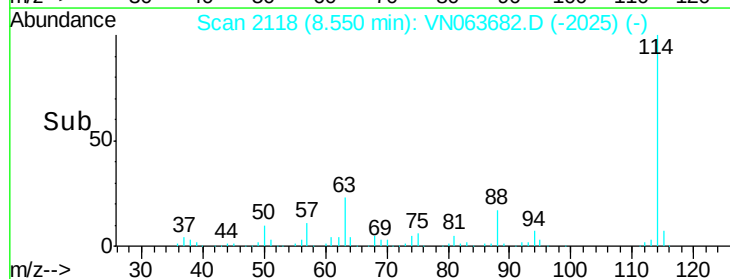
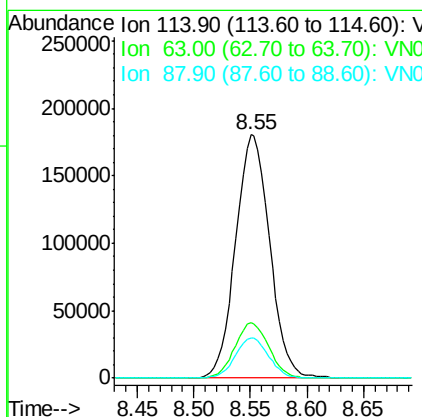
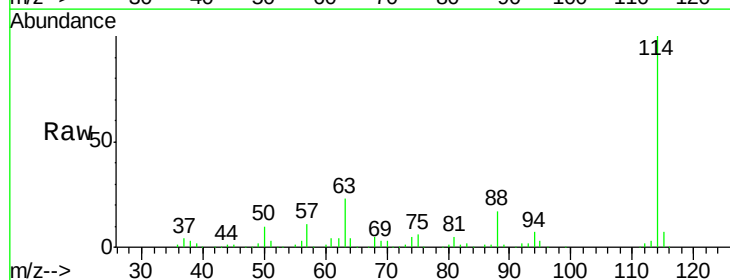
Manual Integrations
 APPROVED

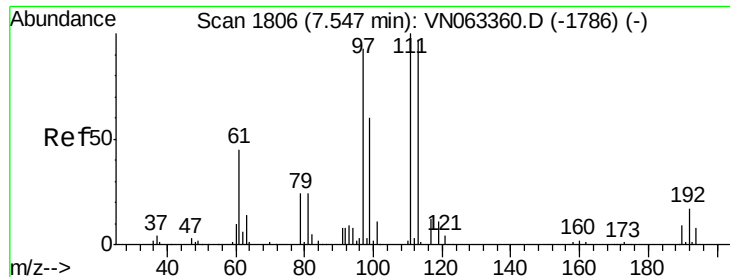
MMDadoda
 9/29/2020 10:40:49 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063682.D
 Acq: 25 Sep 2020 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	379413		
63	23.0	0.0	46.4	
88	16.5	0.0	33.2	





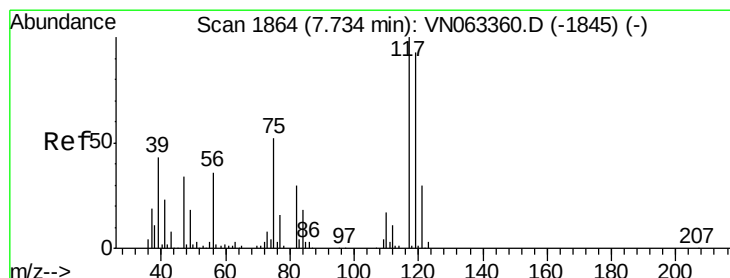
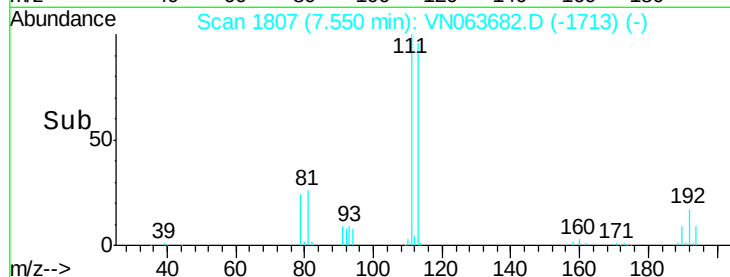
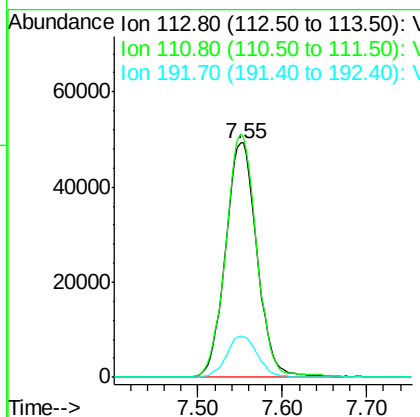
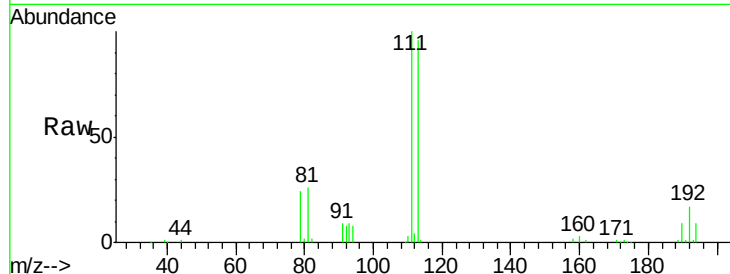
#35
 Dibromofluoromethane
 Concen: 48.763 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063682.D
 Acq: 25 Sep 2020 16:43

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP05-20200921

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.2	82.9	124.3	
192	17.5	13.9	20.9	

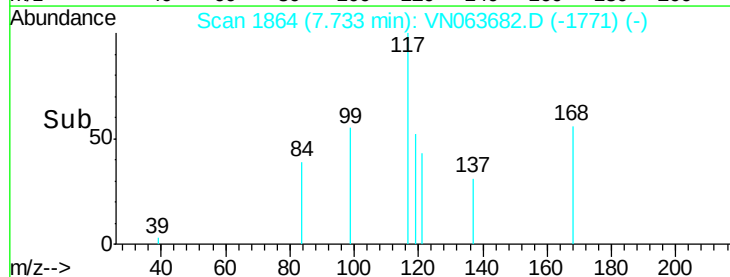
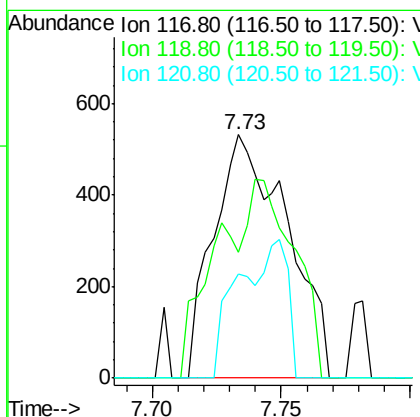
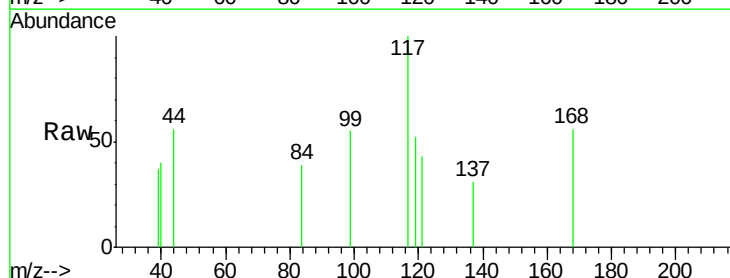
Manual Integrations
 APPROVED

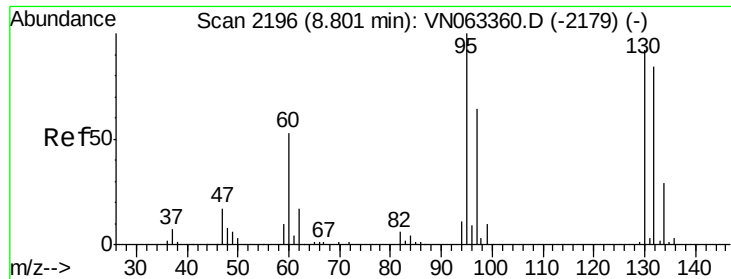
MMDadoda
 9/29/2020 10:40:49 AM



#38
 Carbon Tetrachloride
 Concen: 0.257 ug/l
 RT: 7.73 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN063682.D
 Acq: 25 Sep 2020 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	51.7	74.5	111.7#	
121	42.7	24.1	36.1#	





#44

Trichloroethene

Concen: 539.988 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN063682.D

Acq: 25 Sep 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

DUP05-20200921

Tot Ion:130 Resp: 1511249

Ion Ratio Lower Upper

130 100

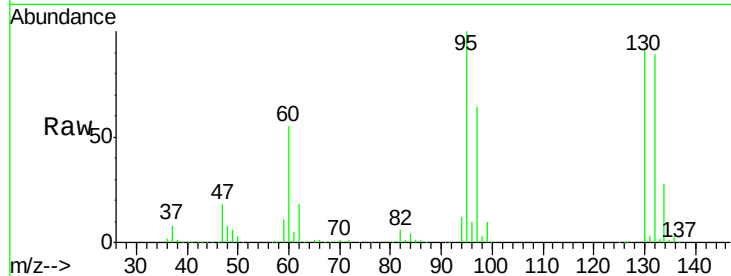
95 108.5 0.0 217.4

Manual Integrations

APPROVED

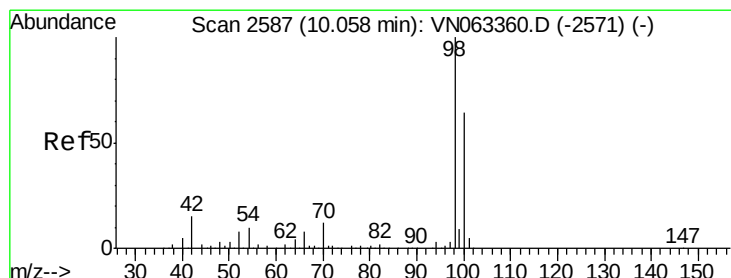
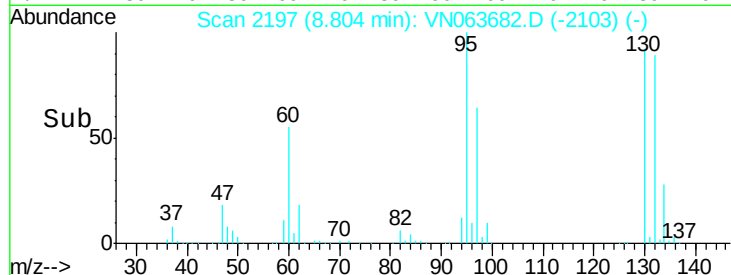
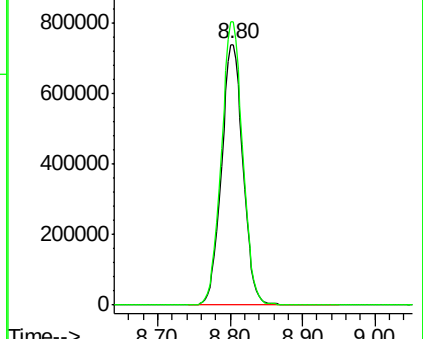
MMDadoda

9/29/2020 10:40:49 AM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VNO



#50

Toluene-d8

Concen: 50.183 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063682.D

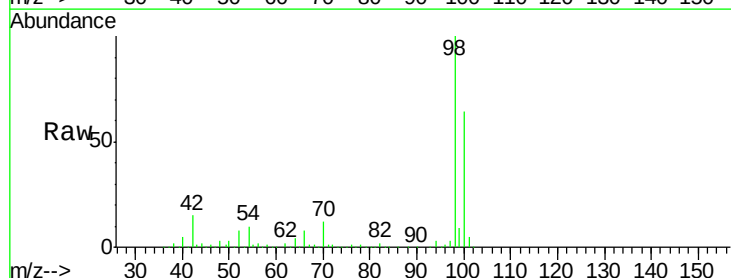
Acq: 25 Sep 2020 16:43

Tgt Ion: 98 Resp: 495628

Ion Ratio Lower Upper

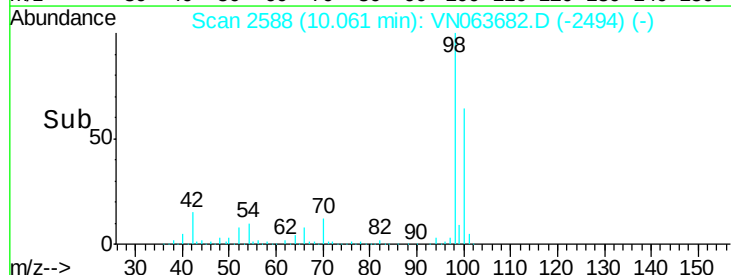
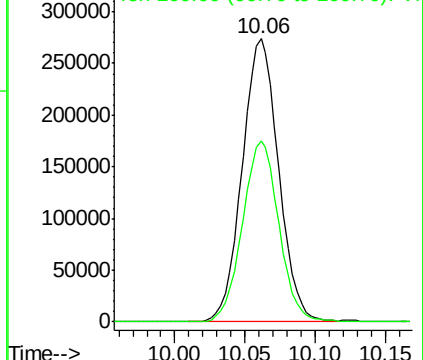
98 100

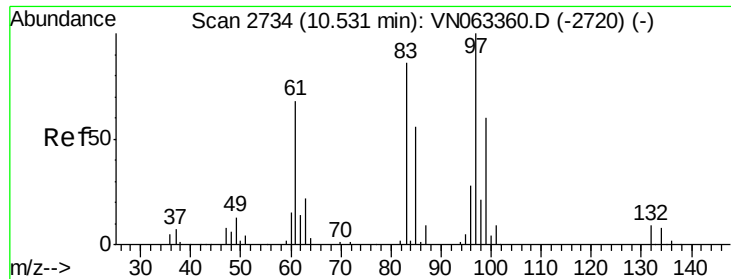
100 64.1 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VNO

Ion 100.00 (99.70 to 100.70): VNO





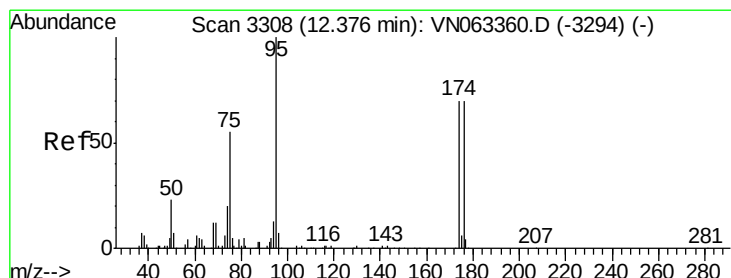
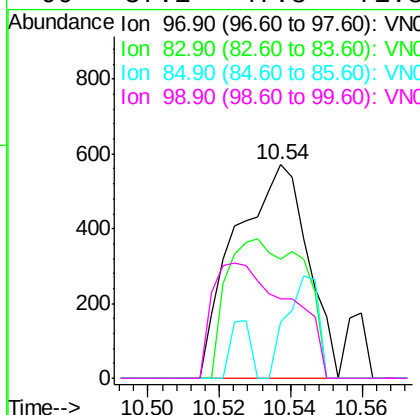
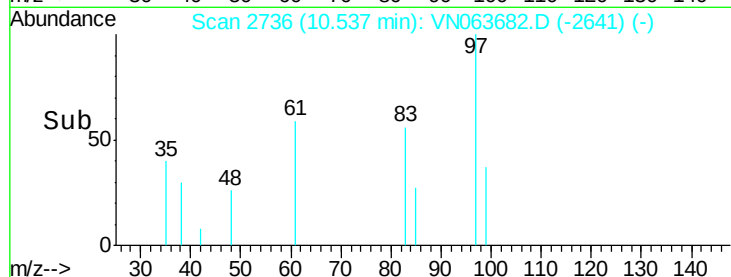
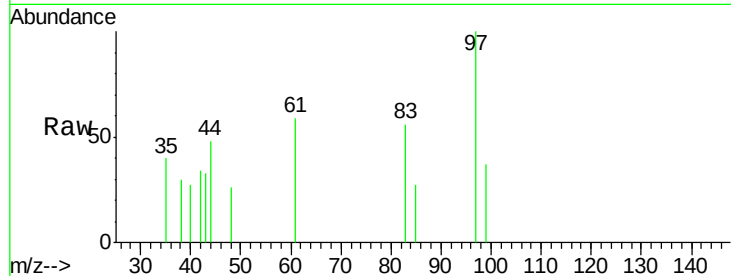
#55
 1,1,2-Trichloroethane
 Concen: 0.290 ug/l
 RT: 10.54 min Scan# 2736
 Delta R.T. 0.01 min
 Lab File: VN063682.D
 Acq: 25 Sep 2020 16:43

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP05-20200921

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		799		
83	55.9	68.9	103.3#		
85	26.6	44.8	67.2#		
99	37.1	47.8	71.8#		

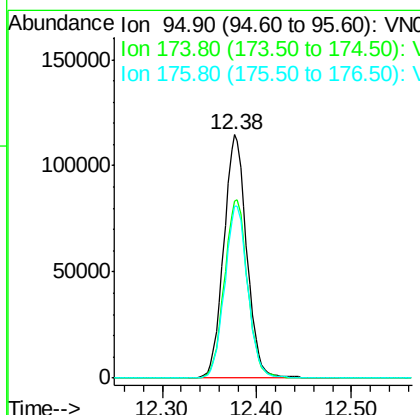
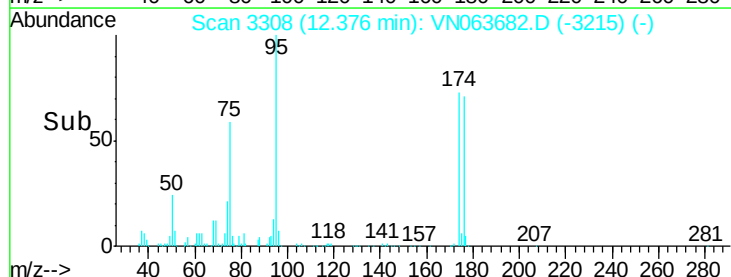
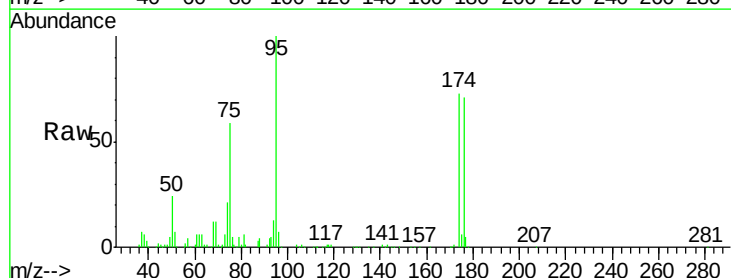
Manual Integrations
 APPROVED

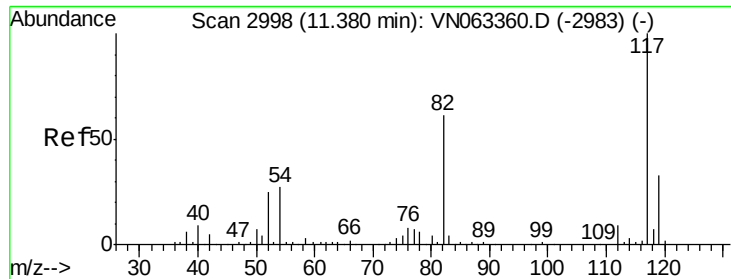
MMDadoda
 9/29/2020 10:40:49 AM



#62
 4-Bromofluorobenzene
 Concen: 53.445 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063682.D
 Acq: 25 Sep 2020 16:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
95	100		193499		
174	73.8	0.0	140.8		
176	70.6	0.0	137.6		





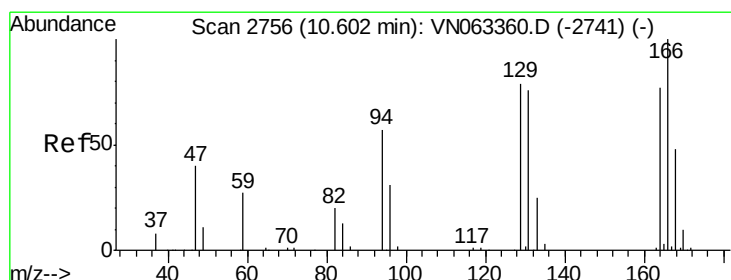
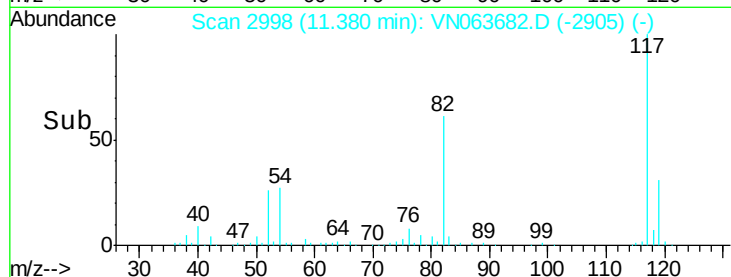
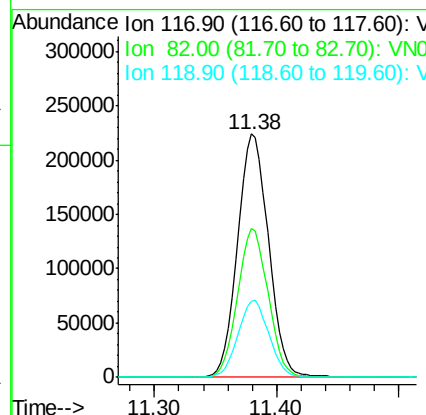
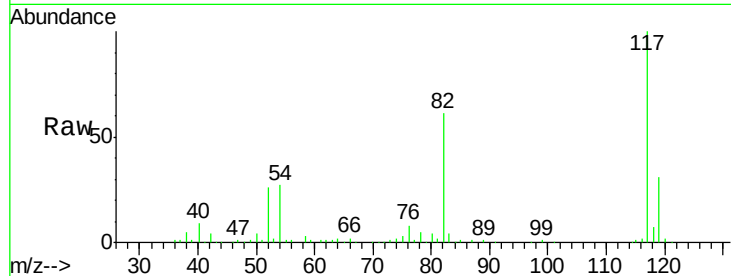
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063682.D
Acq: 25 Sep 2020 16:43

Instrument :
MSVOA_N
ClientSampleId :
DUP05-20200921

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.2	49.2	73.8
119	31.4	26.2	39.4

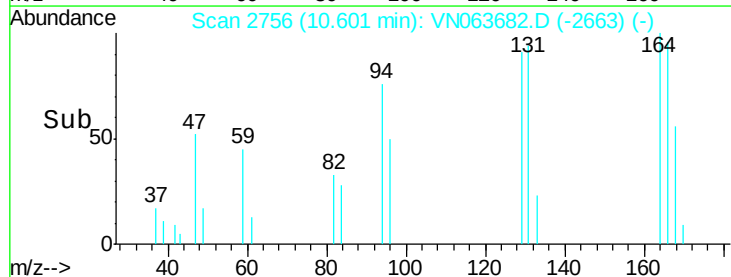
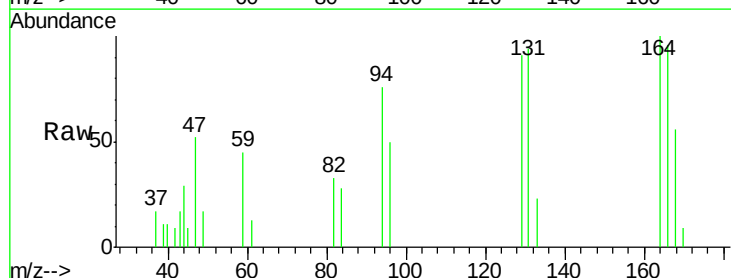
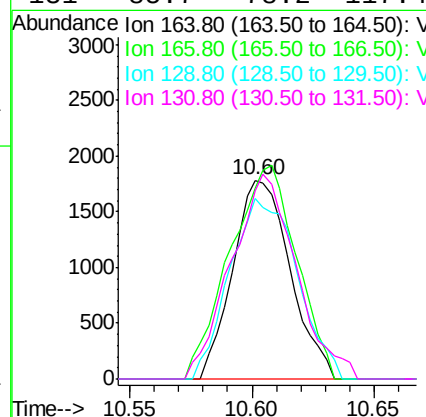
Manual Integrations
APPROVED

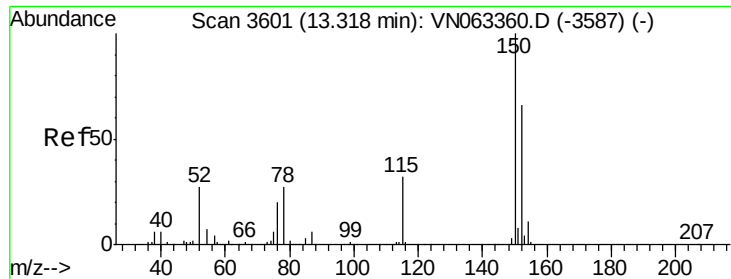
MMDadoda
9/29/2020 10:40:49 AM



#64
Tetrachloroethene
Concen: 1.082 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063682.D
Acq: 25 Sep 2020 16:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	95.6	103.4	155.0#
129	90.6	81.8	122.6
131	85.7	78.2	117.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063682.D

Acq: 25 Sep 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

DUP05-20200921

Tot Ion:152 Resp: 166148

Ion Ratio Lower Upper

152 100

115 64.1 32.2 96.6

150 158.6 0.0 343.4

Manual Integrations

APPROVED

MMDadoda

9/29/2020 10:40:49 AM

