

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061120\
 Data File : VN061749.D
 Acq On : 11 Jun 2020 16:04
 Operator : JC/MD
 Sample : L2988-14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE134D2-20200608

Manual Integrations
 APPROVED

MMDadoda
 6/12/2020 5:46:12 PM

Quant Time: Jun 12 08:00:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	292340	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	487489	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	484343	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	212635	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	161579	46.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.78%	
35) Dibromofluoromethane	7.55	113	134425	54.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.72%	
50) Toluene-d8	10.06	98	588207	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
62) 4-Bromofluorobenzene	12.38	95	204883	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
Target Compounds						
7) Trichlorofluoromethane	2.98	101	1583	0.251	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.72	101	71226	25.474	ug/l	98
12) 1,1-Dichloroethene	3.70	96	1581	0.529	ug/l #	76
27) cis-1,2-Dichloroethene	6.79	96	7370m	1.932	ug/l	
44) Trichloroethene	8.80	130	470363	114.943	ug/l	95
49) 1,4-Dioxane	9.16	88	1480m	33.955	ug/l	
64) Tetrachloroethene	10.60	164	63282	13.880	ug/l	97

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

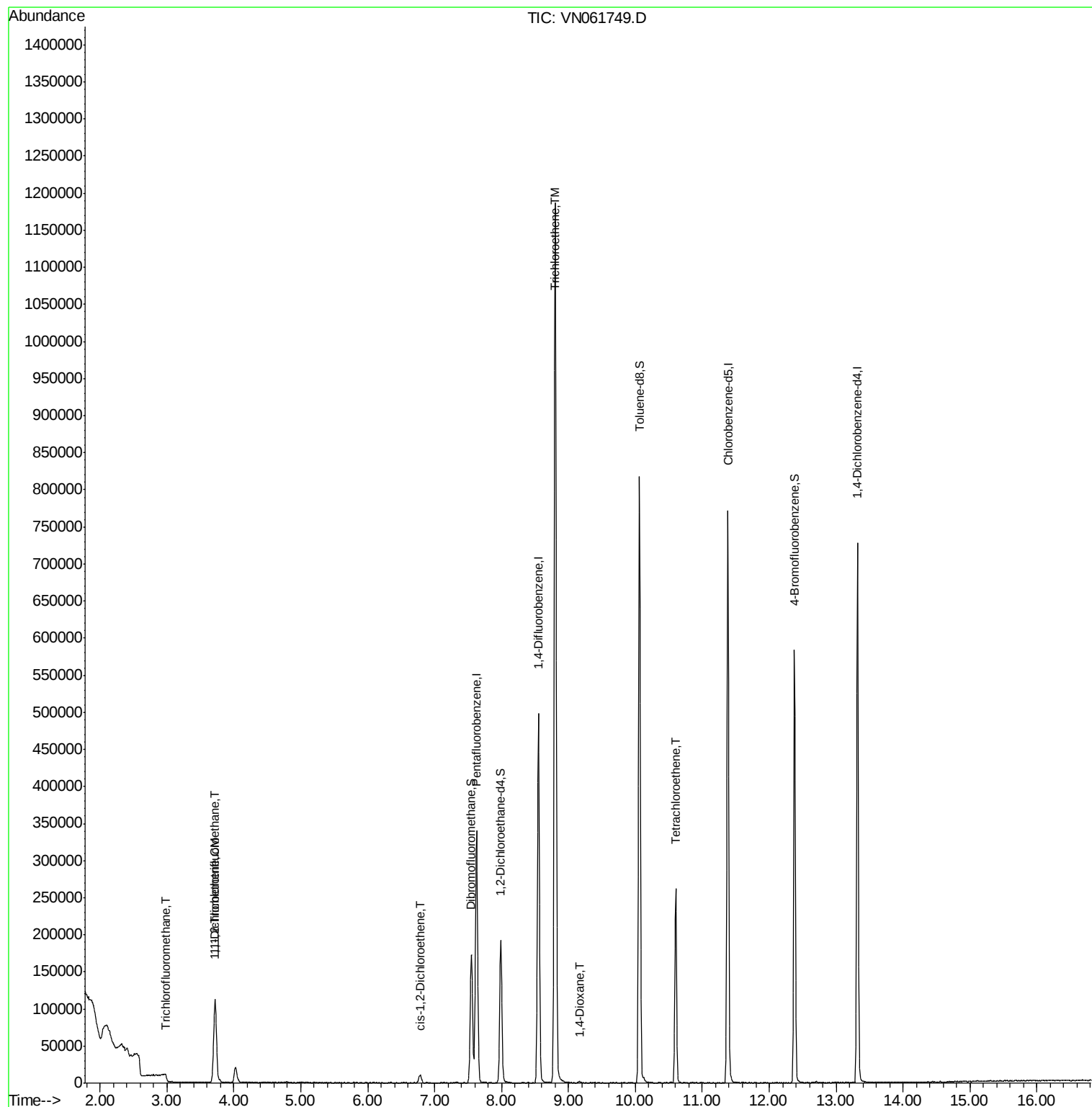
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061120\
Data File : VN061749.D
Acq On : 11 Jun 2020 16:04
Operator : JC/MD
Sample : L2988-14
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

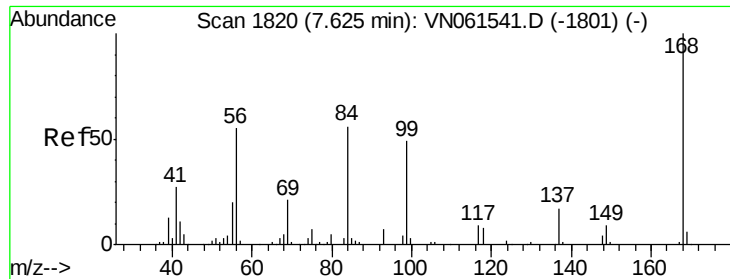
Instrument :
MSVOA_N
ClientSampleId :
RE134D2-20200608

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Quant Time: Jun 12 08:00:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061749.D

Acq: 11 Jun 2020 16:04

Instrument :

MSVOA_N

ClientSampleId :

RE134D2-20200608

Tot Ion:168 Resp: 292340

Ion Ratio Lower Upper

168 100

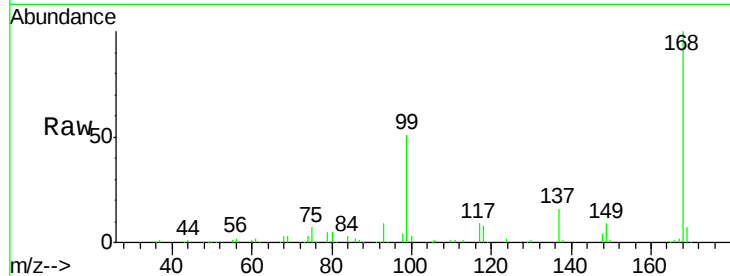
99 51.2 45.0 67.4

Manual Integrations

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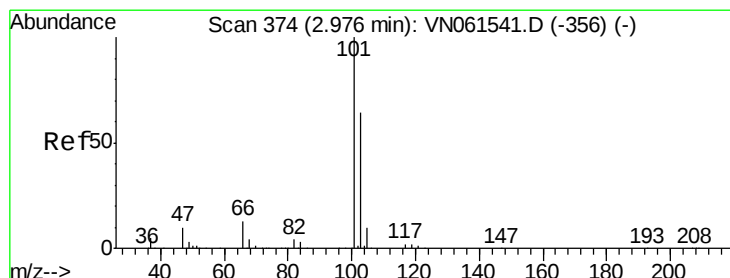
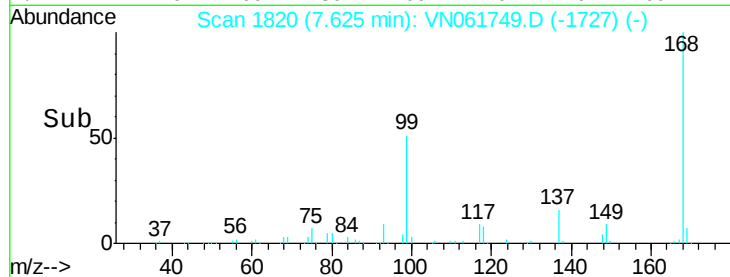
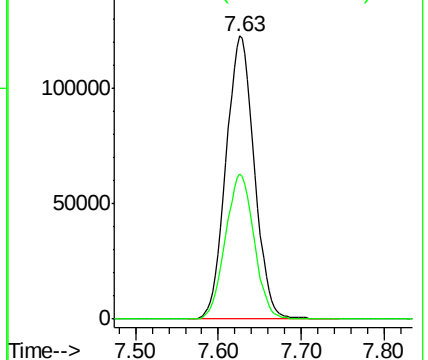
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#7

Trichlorofluoromethane

Concen: 0.251 ug/l

RT: 2.98 min Scan# 376

Delta R.T. 0.01 min

Lab File: VN061749.D

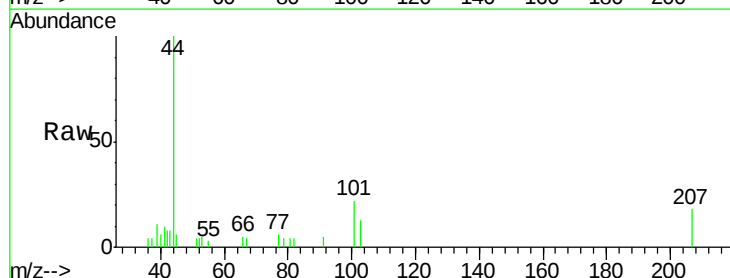
Acq: 11 Jun 2020 16:04

Tgt Ion:101 Resp: 1583

Ion Ratio Lower Upper

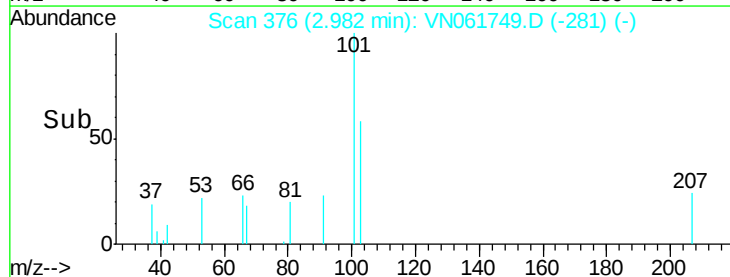
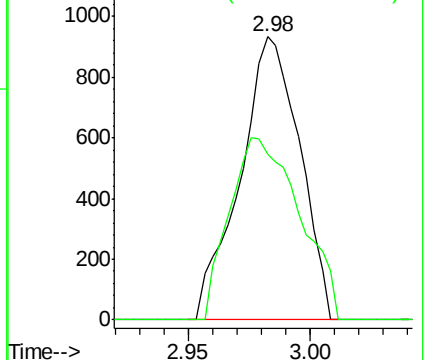
101 100

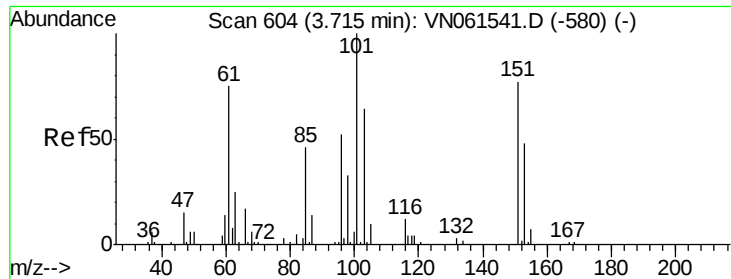
103 58.4 51.4 77.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 25.474 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061749.D

Acq: 11 Jun 2020 16:04

Instrument :

MSVOA_N

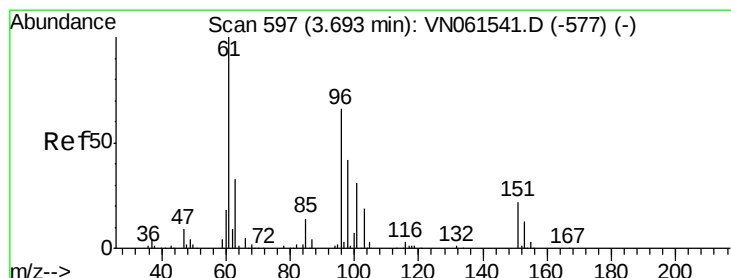
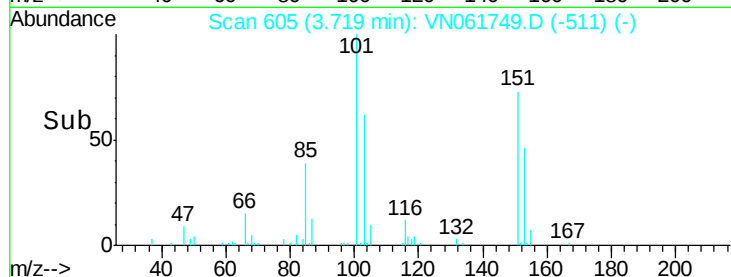
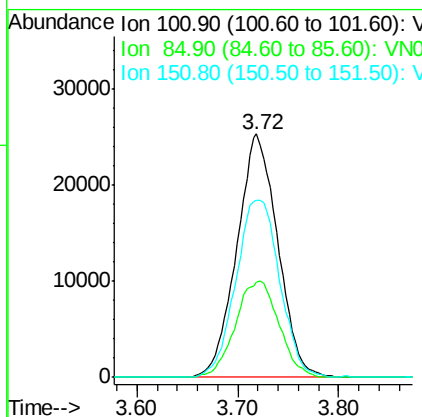
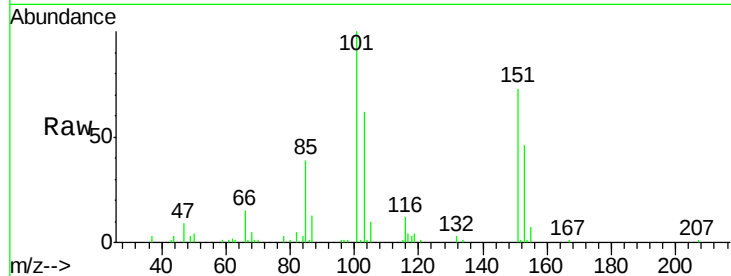
ClientSampleId :

RE134D2-20200608

Tot Ion:	101	Resp:	71226
Ion Ratio	Lower	Upper	
101	100		
85	42.1	35.2	52.8
151	78.2	61.0	91.6

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#12

1,1-Dichloroethene

Concen: 0.529 ug/l

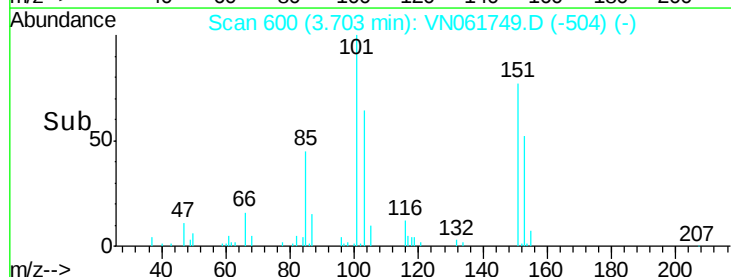
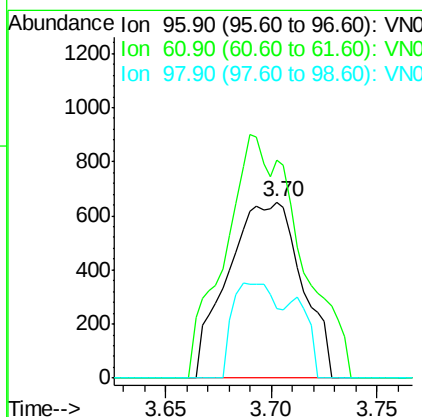
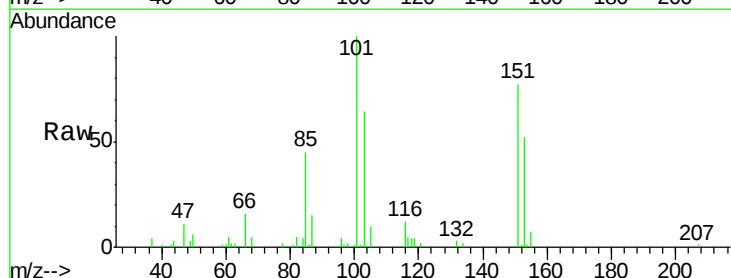
RT: 3.70 min Scan# 600

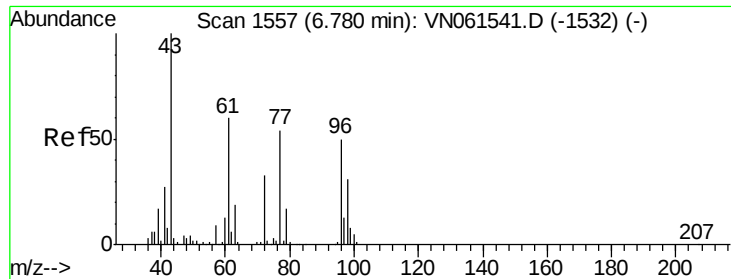
Delta R.T. 0.01 min

Lab File: VN061749.D

Acq: 11 Jun 2020 16:04

Tgt Ion:	96	Resp:	1581
Ion Ratio	Lower	Upper	
96	100		
61	123.8	120.5	180.7
98	39.4	50.8	76.2#





#27

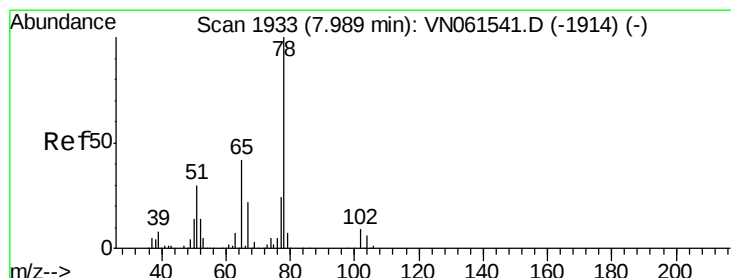
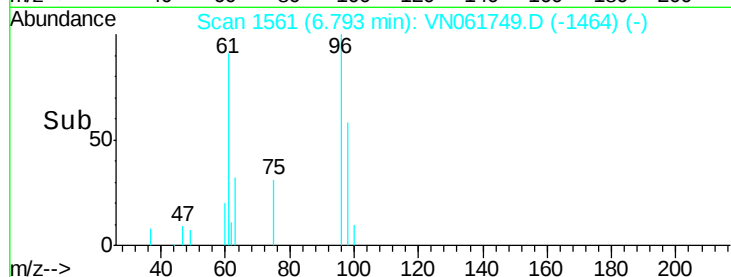
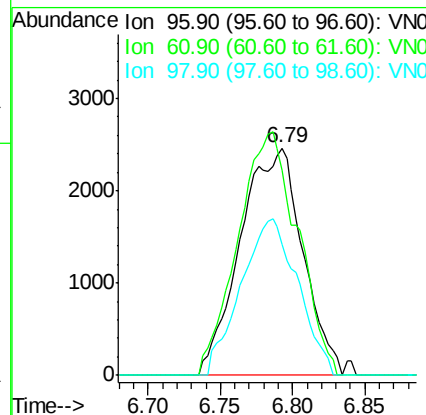
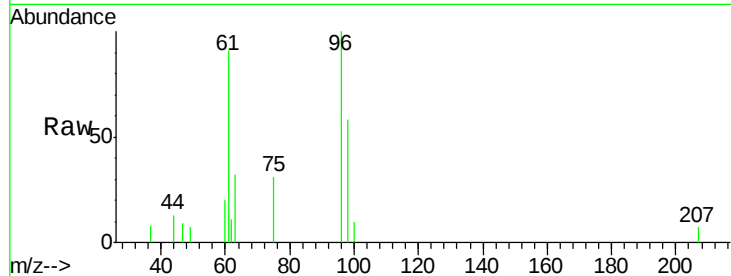
cis-1,2-Dichloroethene
 Concen: 1.932 ug/l m
 RT: 6.79 min Scan# 1561
 Delta R.T. 0.01 min
 Lab File: VN061749.D
 Acq: 11 Jun 2020 16:04

Instrument :
 MSVOA_N
 ClientSampleId :
 RE134D2-20200608

Tot Ion	Ratio	Lower	Upper
96	100		
61	102.9	0.0	252.2
98	62.7	0.0	129.2

Manual Integrations
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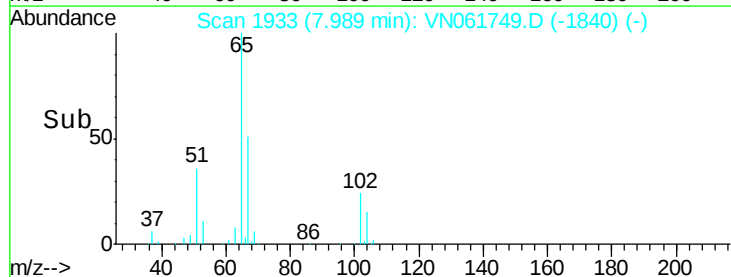
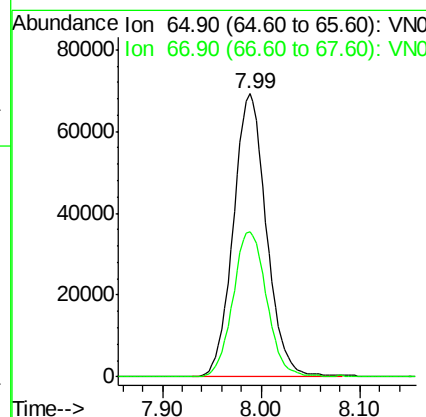
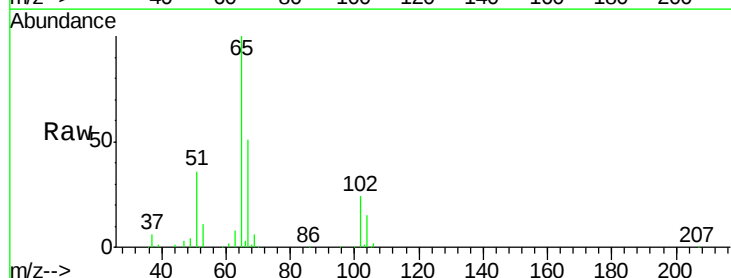
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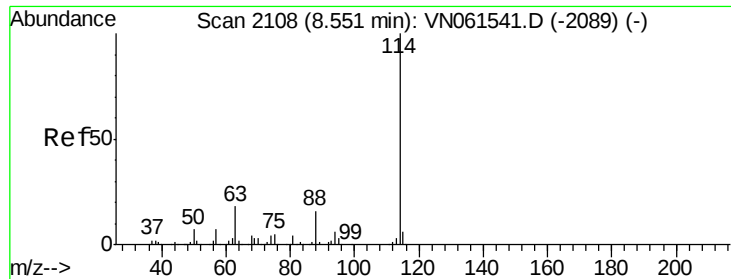


#33

1,2-Dichloroethane-d4
 Concen: 46.390 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061749.D
 Acq: 11 Jun 2020 16:04

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	104.8





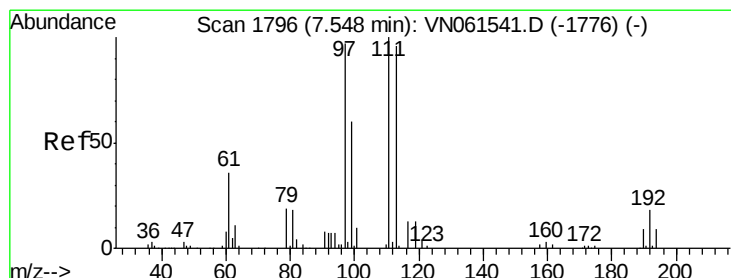
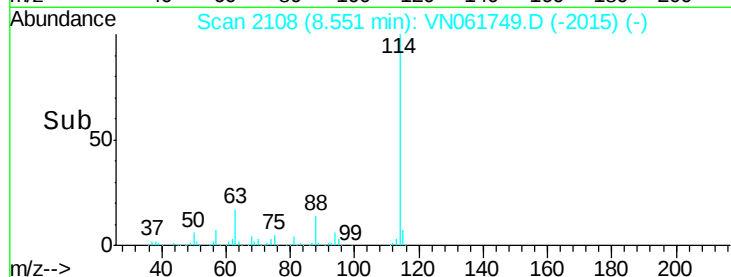
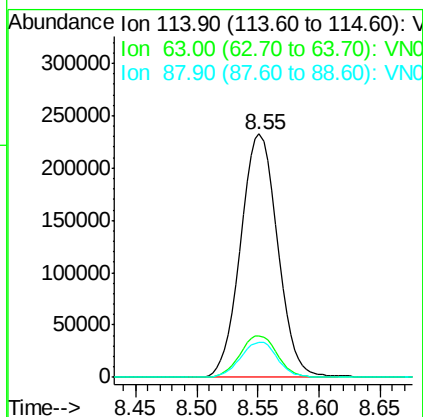
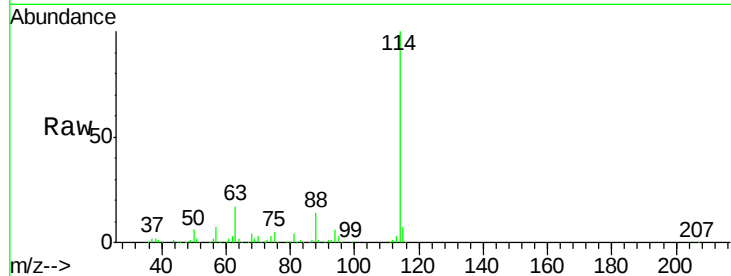
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061749.D
 Acq: 11 Jun 2020 16:04

Instrument :
 MSVOA_N
 ClientSampleId :
 RE134D2-20200608

Tot Ion	Ratio	Resp	Lower	Upper
114	100	487489		
63	17.1		0.0	35.8
88	14.4		0.0	31.0

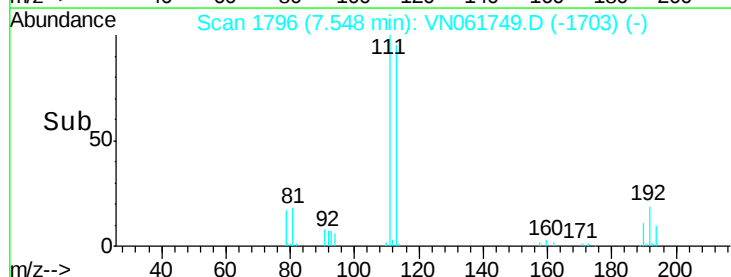
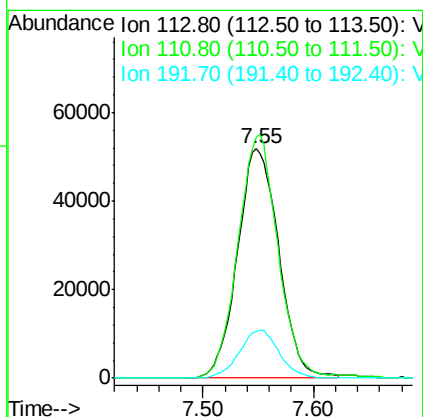
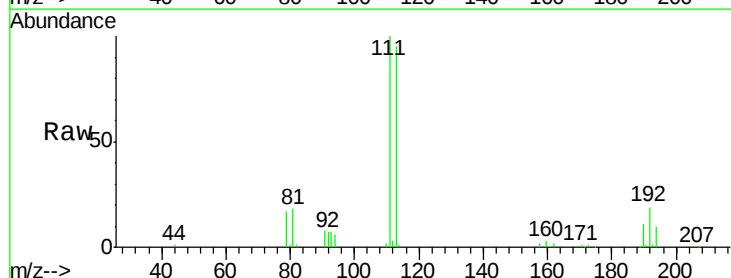
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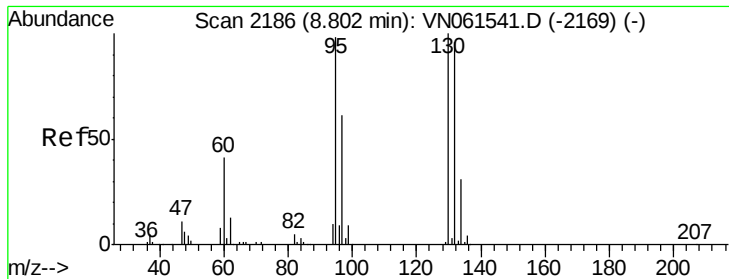
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#35
 Dibromofluoromethane
 Concen: 54.358 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061749.D
 Acq: 11 Jun 2020 16:04

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	134425		
111	102.2		83.4	125.0
192	20.1		15.4	23.2





#44

Trichloroethene

Concen: 114.943 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN061749.D

Acq: 11 Jun 2020 16:04

Instrument :

MSVOA_N

ClientSampleId :

RE134D2-20200608

Tot Ion:130 Resp: 470363

Ion Ratio Lower Upper

130 100

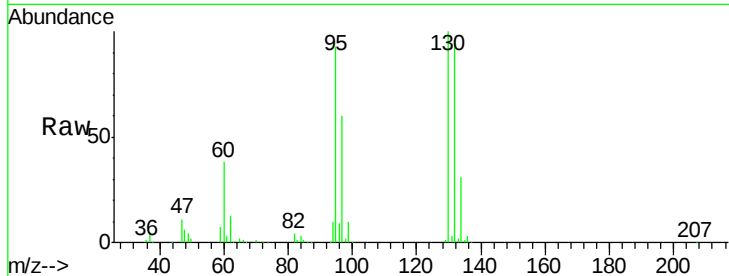
95 93.2 0.0 196.6

Manual Integrations

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.80

250000

200000

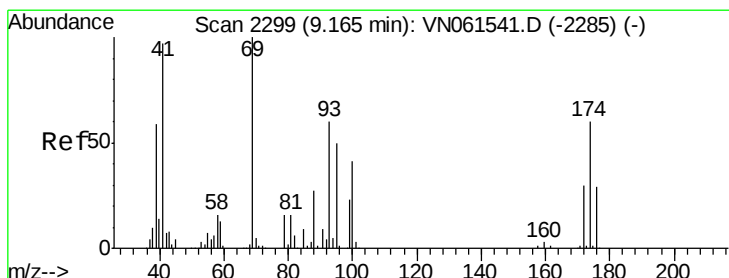
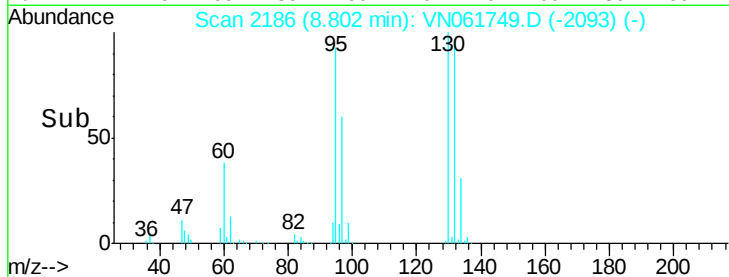
150000

100000

50000

0

Time--> 8.70 8.80 8.90



#49

1,4-Dioxane

Concen: 33.955 ug/l m

RT: 9.16 min Scan# 2298

Delta R.T. -0.00 min

Lab File: VN061749.D

Acq: 11 Jun 2020 16:04

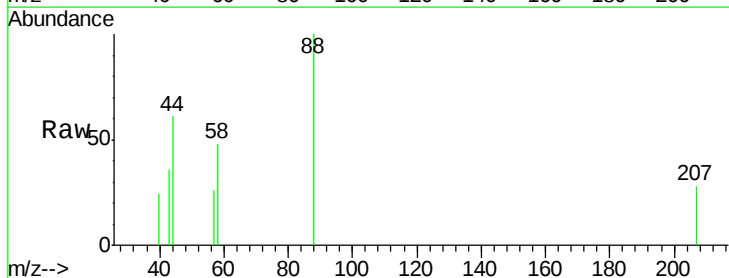
Tgt Ion: 88 Resp: 1480

Ion Ratio Lower Upper

88 100

43 32.3 23.1 34.7

58 61.8 48.3 72.5



Abundance Ion 88.00 (87.70 to 88.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

9.16

800

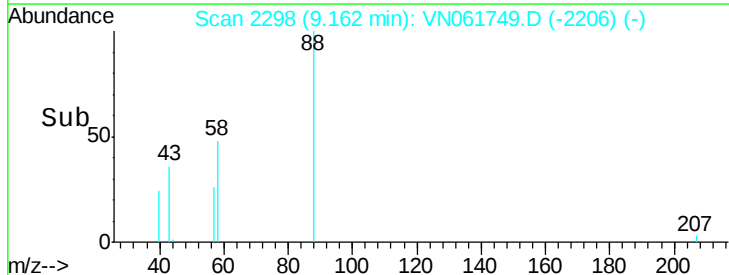
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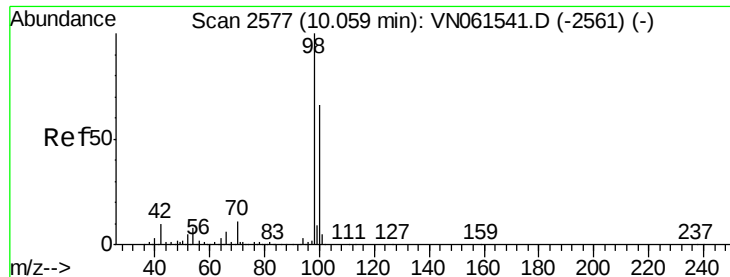
400

200

0

Time--> 9.15 9.20





#50

Toluene-d8

Concen: 51.327 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061749.D

Acq: 11 Jun 2020 16:04

Instrument :

MSVOA_N

ClientSampleId :

RE134D2-20200608

Tot Ion: 98 Resp: 588207

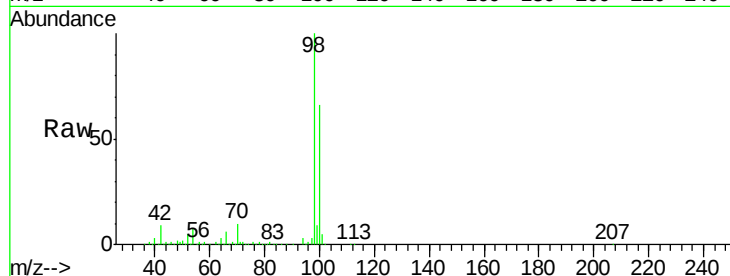
Ion Ratio Lower Upper

98 100

100 66.0 52.8 79.2

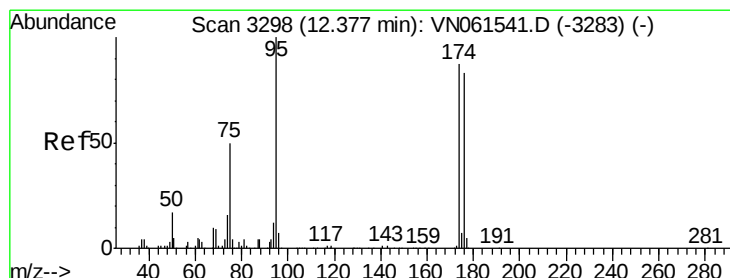
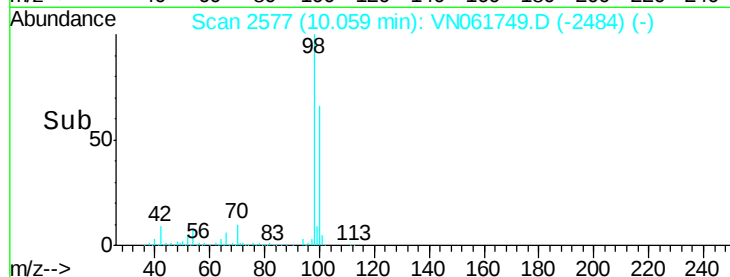
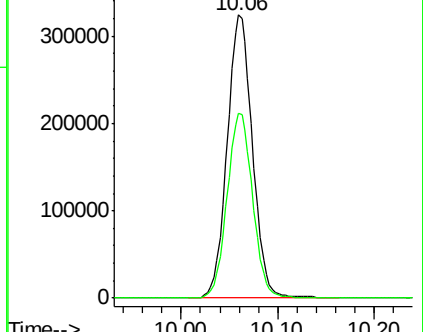
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Abundance Ion 98.00 (97.70 to 98.70): VN061541.D (-2561) (-)

Ion 100.00 (99.70 to 100.70): VN061541.D (-2561) (-)



#62

4-Bromofluorobenzene

Concen: 49.004 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061749.D

Acq: 11 Jun 2020 16:04

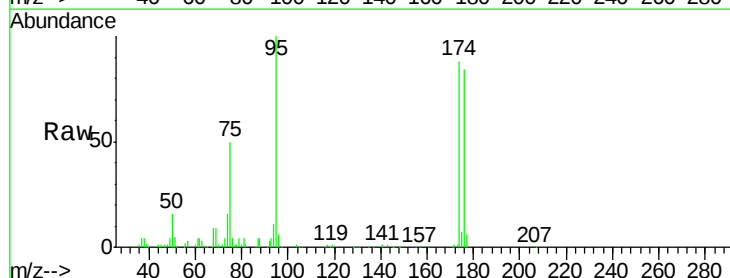
Tgt Ion: 95 Resp: 204883

Ion Ratio Lower Upper

95 100

174 87.4 0.0 172.8

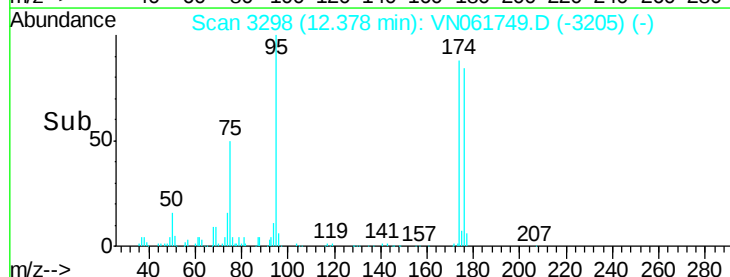
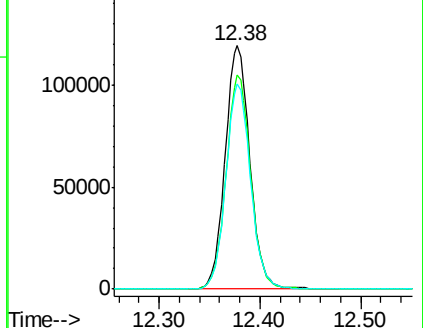
176 83.9 0.0 164.8

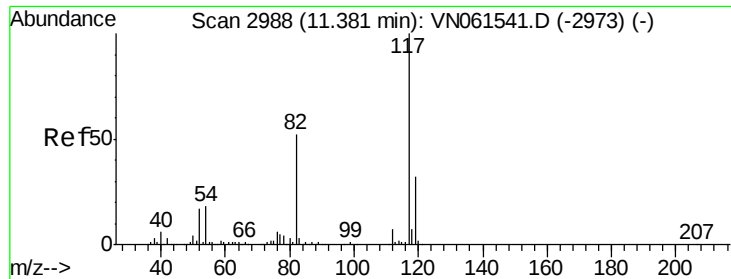


Abundance Ion 94.90 (94.60 to 95.60): VN061541.D (-3283) (-)

Ion 173.80 (173.50 to 174.50): VN061541.D (-3283) (-)

Ion 175.80 (175.50 to 176.50): VN061541.D (-3283) (-)





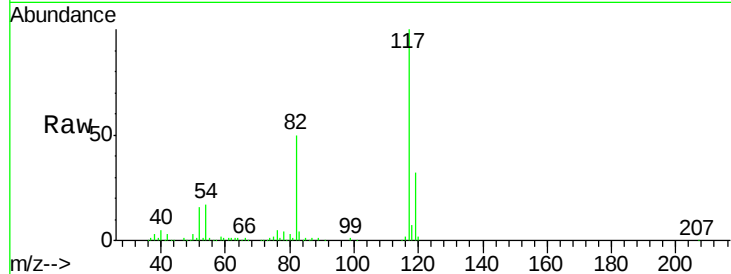
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061749.D
Acq: 11 Jun 2020 16:04

Instrument :
MSVOA_N
ClientSampleId :
RE134D2-20200608

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.5	41.5	62.3
119	31.6	25.6	38.4

Manual Integrations
APPROVED

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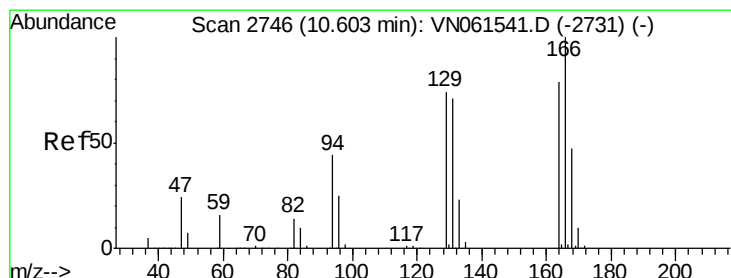
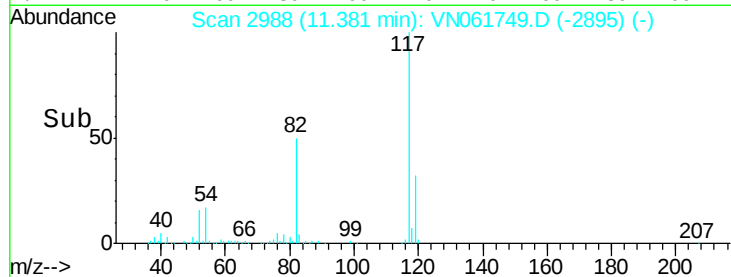
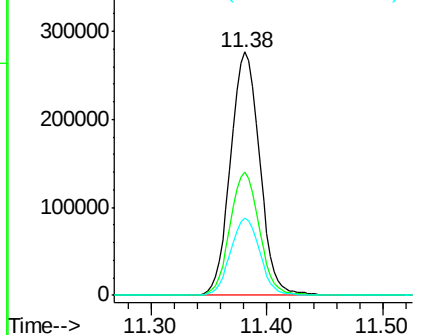


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 13.880 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061749.D
Acq: 11 Jun 2020 16:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.2	101.5	152.3
129	91.8	74.9	112.3
131	87.5	72.2	108.2

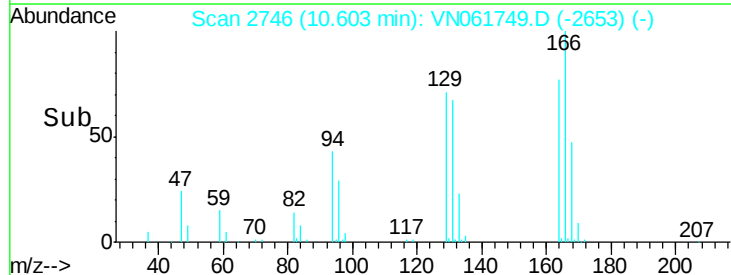
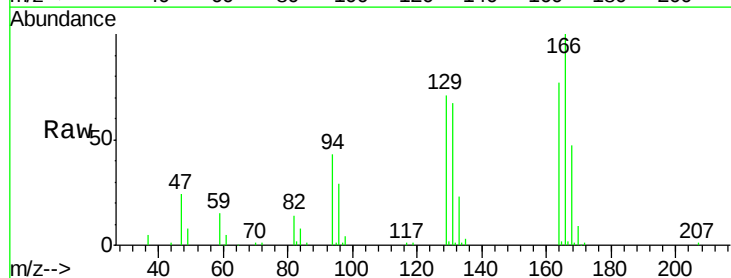
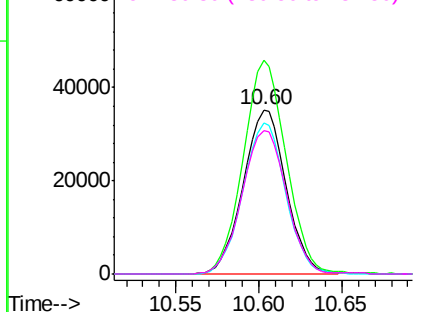
Abundance

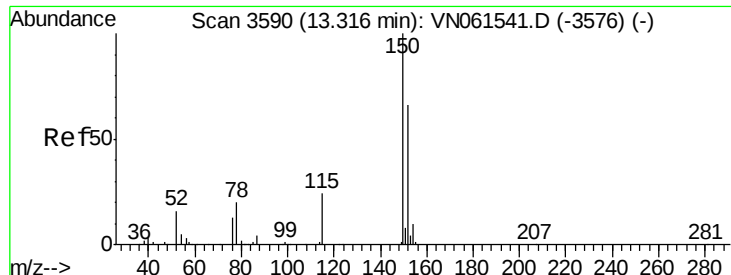
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061749.D

Acq: 11 Jun 2020 16:04

Instrument :

MSVOA_N

ClientSampleId :

RE134D2-20200608

Tot Ion:152 Resp: 212635

Ion Ratio Lower Upper

152 100

115 55.7 28.0 84.0

150 156.2 0.0 344.0

Manual Integrations
APPROVED

MMDadoda

6/12/2020 5:46:12 PM

