

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062620\
 Data File : VN062149.D
 Acq On : 26 Jun 2020 19:02
 Operator : JC/MD
 Sample : L3088-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 08BR-20200622

Manual Integrations
 APPROVED

MMDadoda
 6/29/2020 12:35:40 PM

Quant Time: Jun 27 04:55:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	202848	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	375753	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	365050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	131012	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	145232	51.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.04%	
35) Dibromofluoromethane	7.55	113	121761	50.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.02%	
50) Toluene-d8	10.06	98	478670	49.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.34%	
62) 4-Bromofluorobenzene	12.38	95	154323	47.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.80%	
Target Compounds						
2) Dichlorodifluoromethane	1.83	85	1834	0.800	ug/l	74
4) Vinyl Chloride	2.16	62	3850	1.066	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.72	101	16262	6.980	ug/l	98
12) 1,1-Dichloroethene	3.69	96	3088	1.326	ug/l	84
16) Acetone	3.78	43	3857	0.270	ug/l	91
21) trans-1,2-Dichloroethene	5.00	96	2380m	0.897	ug/l	
27) cis-1,2-Dichloroethene	6.78	96	79412	26.597	ug/l	88
32) 1,1,1-Trichloroethane	7.52	97	1463	0.367	ug/l #	34
44) Trichloroethene	8.80	130	1372616	472.683	ug/l	99

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

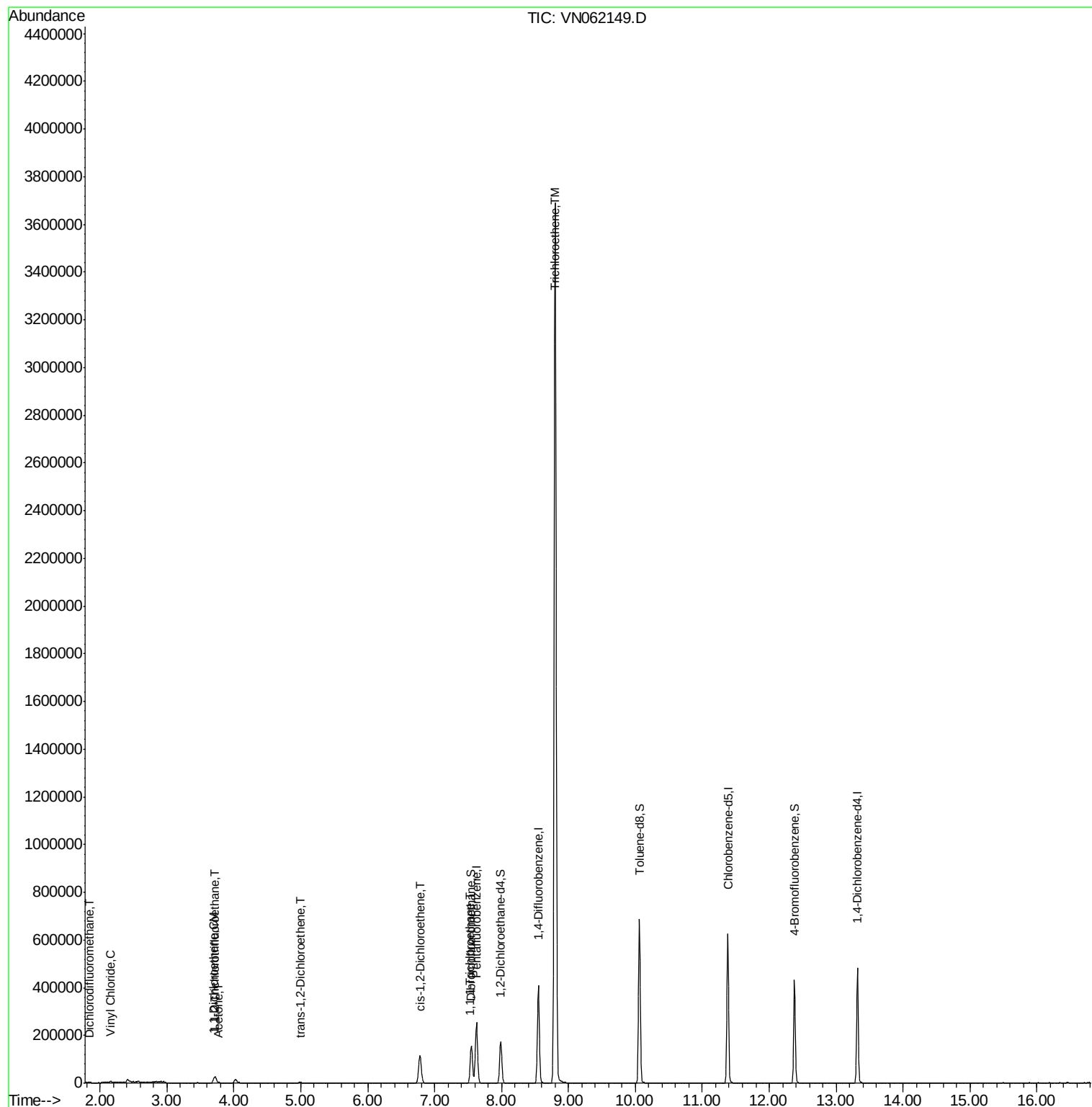
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062620\
Data File : VN062149.D
Acq On : 26 Jun 2020 19:02
Operator : JC/MD
Sample : L3088-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 1

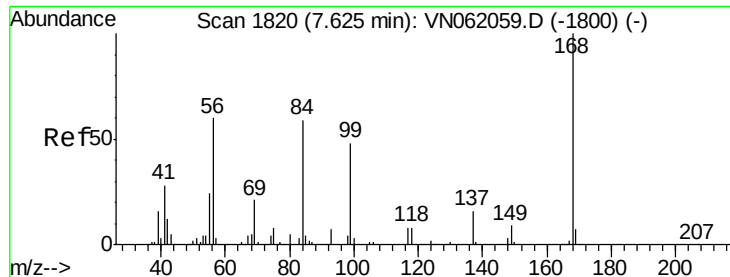
Instrument :
MSVOA_N
ClientSampleId :
08BR-20200622

Manual Integrations
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6/29/2020 12:35:40 PM

Quant Time: Jun 27 04:55:46 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 24 15:33:00 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: VN062149.D

Acq: 26 Jun 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

08BR-20200622

Tot Ion:168 Resp: 202848

Ion Ratio Lower Upper

168 100

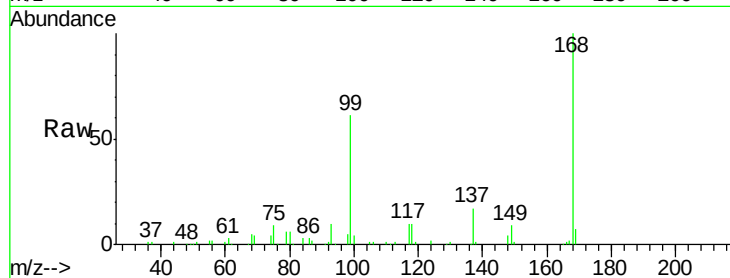
99 60.8 45.8 68.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

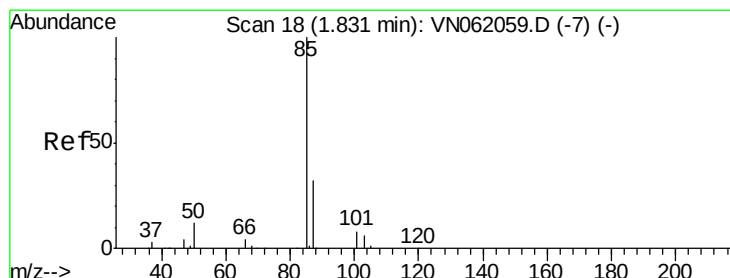
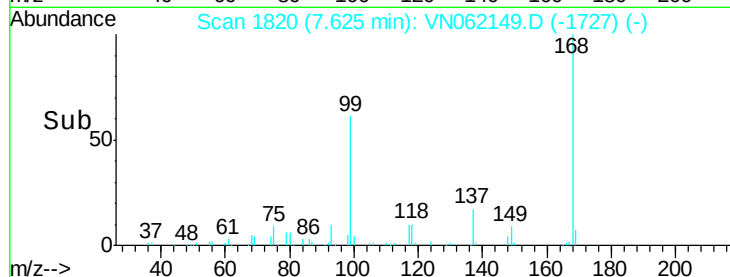
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 0.800 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062149.D

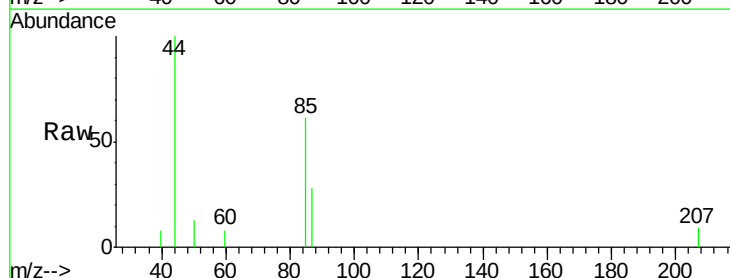
Acq: 26 Jun 2020 19:02

Tgt Ion: 85 Resp: 1834

Ion Ratio Lower Upper

85 100

87 46.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

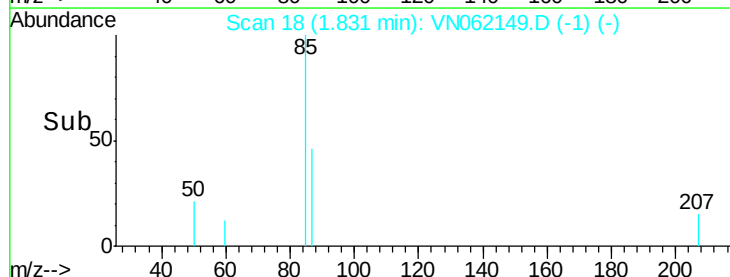
1.83

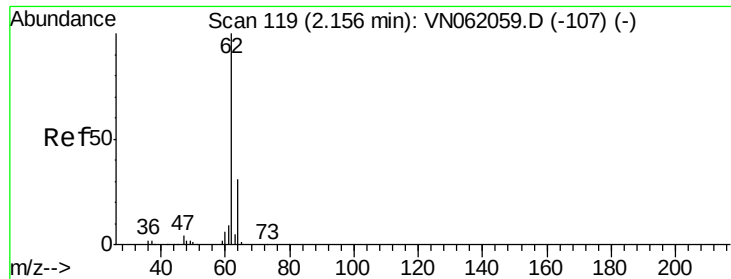
1000

500

0

Time--> 1.80 1.82 1.84 1.86





#4

Vinyl Chloride

Concen: 1.066 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062149.D

Acq: 26 Jun 2020 19:02

Instrument :

MSVOA_N

ClientSampled :

08BR-20200622

Tot Ion: 62 Resp: 3850

Ion Ratio Lower Upper

62 100

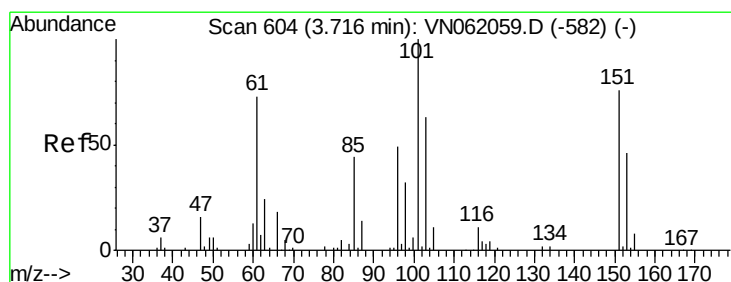
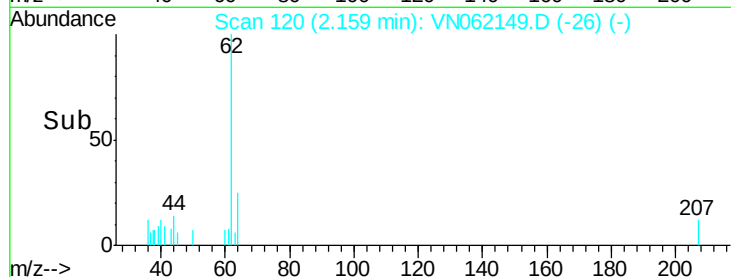
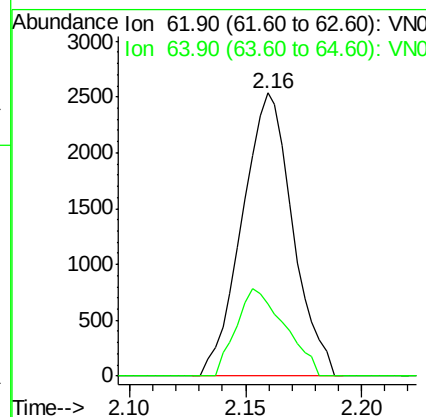
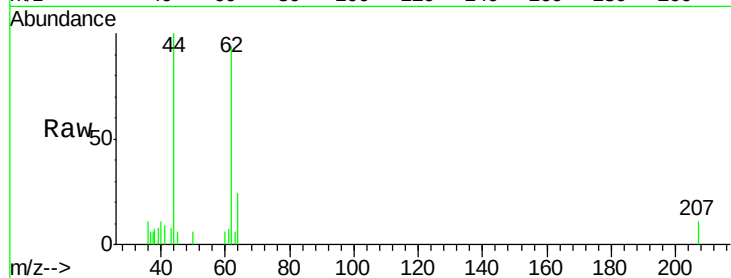
64 25.3 25.1 37.7

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#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.980 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.01 min

Lab File: VN062149.D

Acq: 26 Jun 2020 19:02

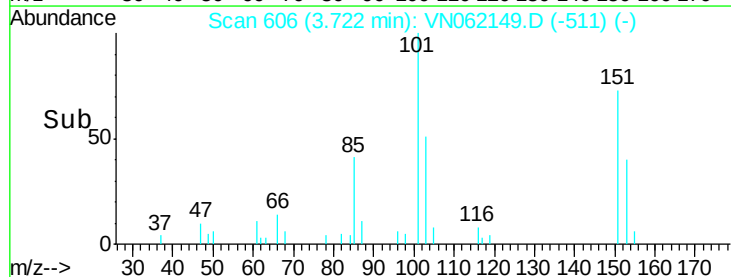
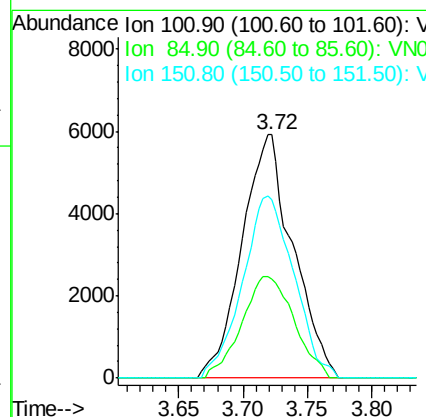
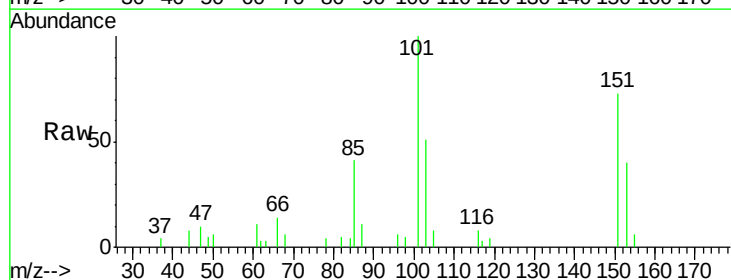
Tgt Ion: 101 Resp: 16262

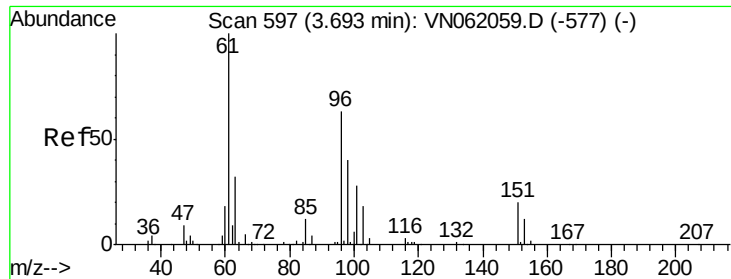
Ion Ratio Lower Upper

101 100

85 42.7 34.5 51.7

151 75.2 57.8 86.8





#12

1,1-Dichloroethene

Concen: 1.326 ug/l

RT: 3.69 min Scan# 597

Delta R.T. 0.00 min

Lab File: VN062149.D

Acq: 26 Jun 2020 19:02

Instrument :

MSVOA_N

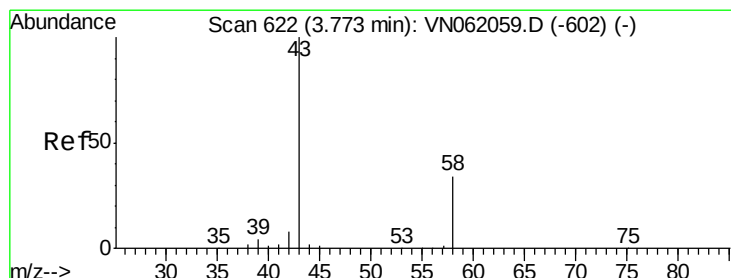
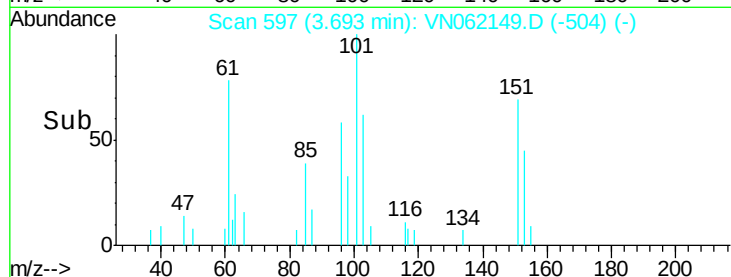
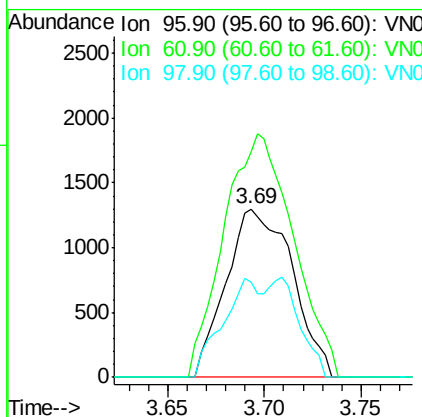
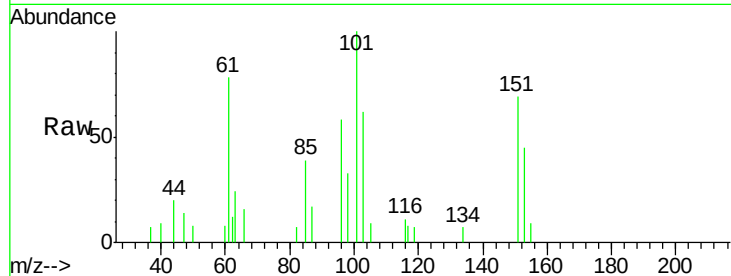
ClientSampleId :

08BR-20200622

Tot Ion:	96	Resp:	3088
Ion	Ratio	Lower	Upper
96	100		
61	134.1	126.7	190.1
98	56.3	51.0	76.4

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#16

Acetone

Concen: 0.270 ug/l

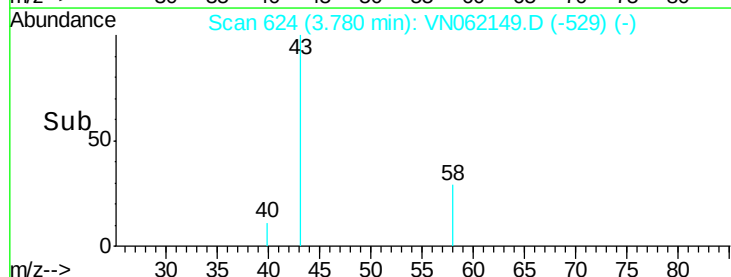
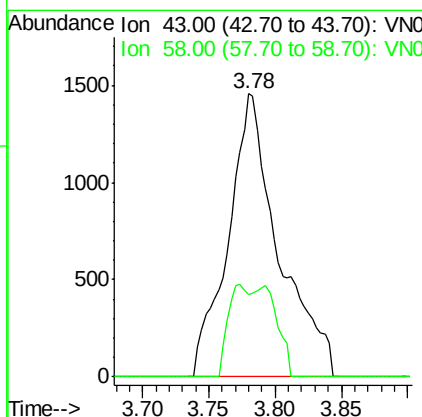
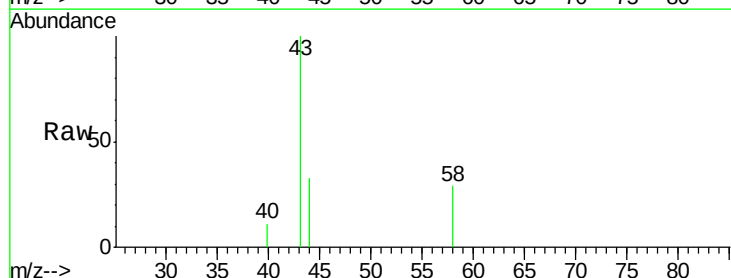
RT: 3.78 min Scan# 624

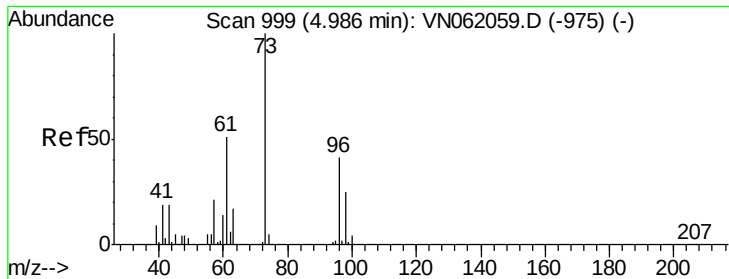
Delta R.T. 0.01 min

Lab File: VN062149.D

Acq: 26 Jun 2020 19:02

Tgt Ion:	43	Resp:	3857
Ion	Ratio	Lower	Upper
43	100		
58	29.1	27.5	41.3





#21

trans-1,2-Dichloroethene

Concen: 0.897 ug/l m

RT: 5.00 min Scan# 1004

Delta R.T. 0.02 min

Lab File: VN062149.D

Acq: 26 Jun 2020 19:02

Instrument :

MSVOA_N

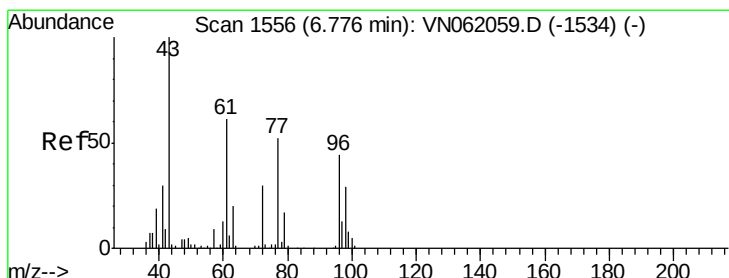
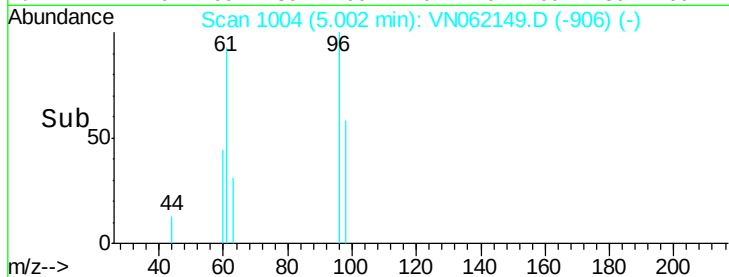
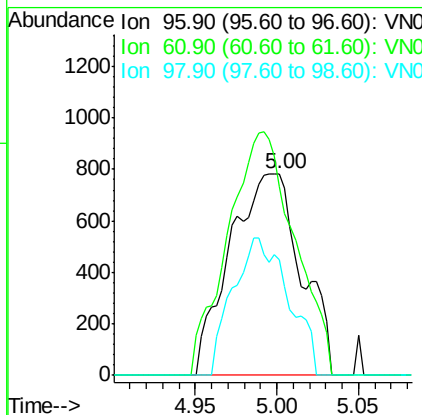
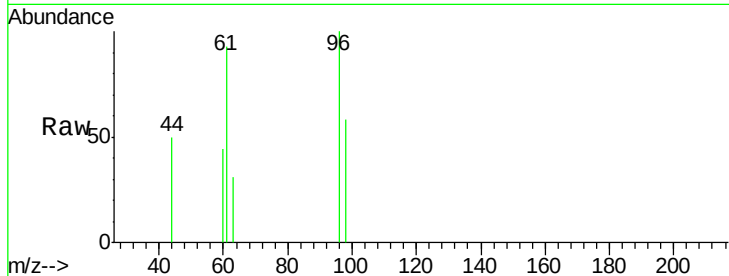
ClientSampleId :

08BR-20200622

Tot Ion:	96	Resp:	2380
Ion	Ratio	Lower	Upper
96	100		
61	93.5	101.4	152.2#
98	57.6	49.3	73.9

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#27

cis-1,2-Dichloroethene

Concen: 26.597 ug/l

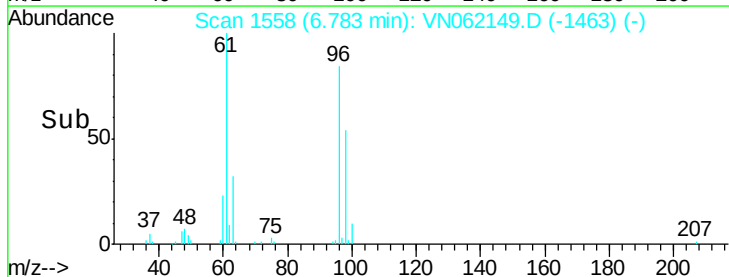
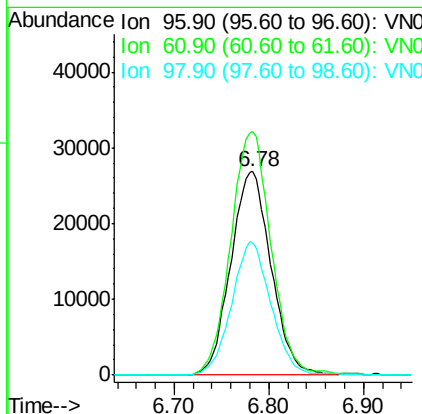
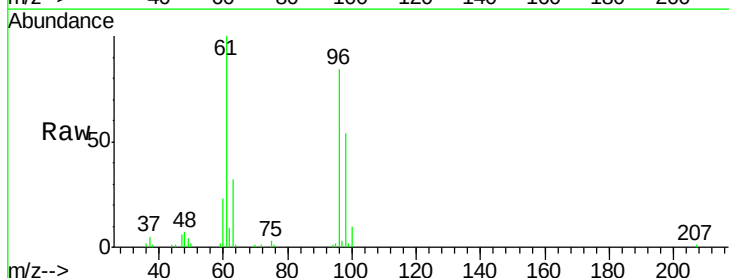
RT: 6.78 min Scan# 1558

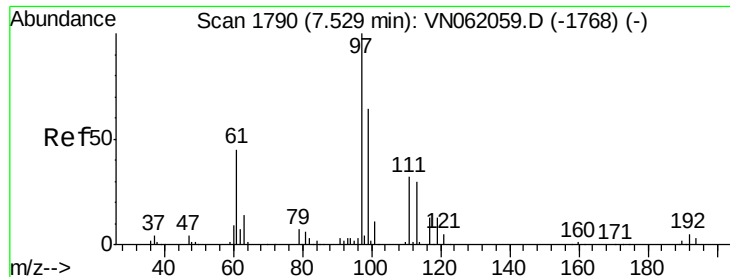
Delta R.T. 0.01 min

Lab File: VN062149.D

Acq: 26 Jun 2020 19:02

Tgt Ion:	96	Resp:	79412
Ion	Ratio	Lower	Upper
96	100		
61	119.9	0.0	280.4
98	63.6	0.0	129.4





#32

1,1,1-Trichloroethane

Concen: 0.367 ug/l

RT: 7.52 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VN062149.D

Acq: 26 Jun 2020 19:02

Instrument :

MSVOA_N

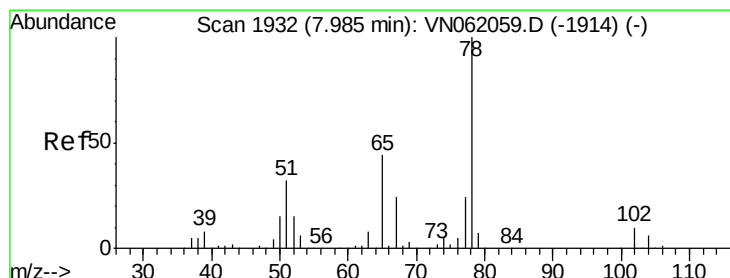
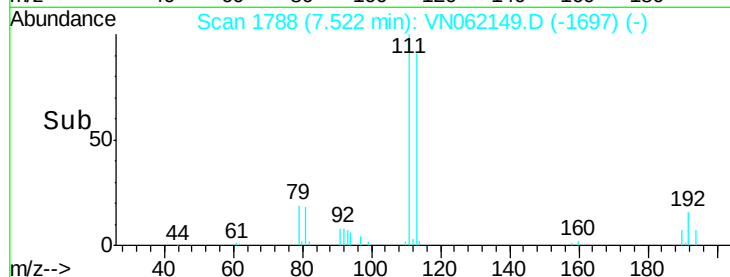
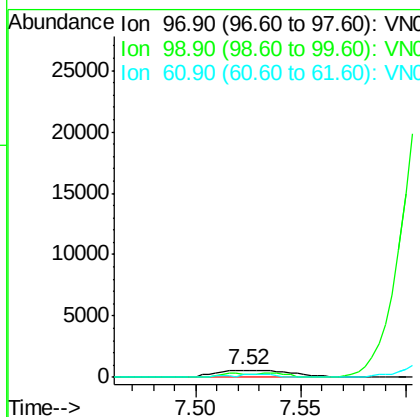
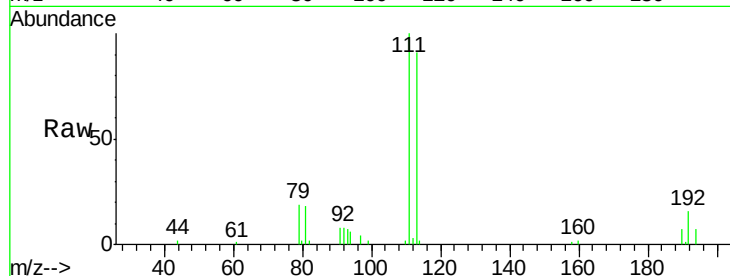
ClientSampleId :

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Tot Ion:	97	Resp:	1463
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.0	76.4#
61	16.9	36.2	54.2#

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#33

1,2-Dichloroethane-d4

Concen: 51.019 ug/l

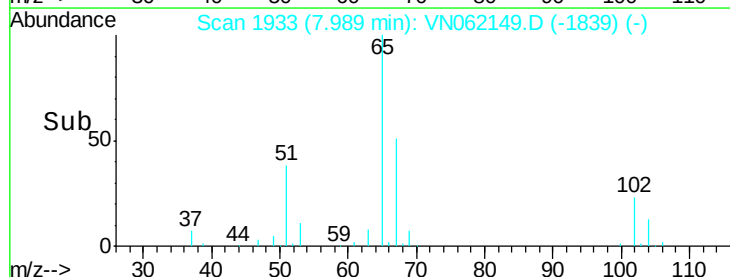
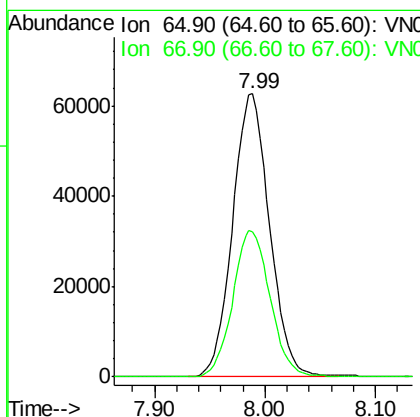
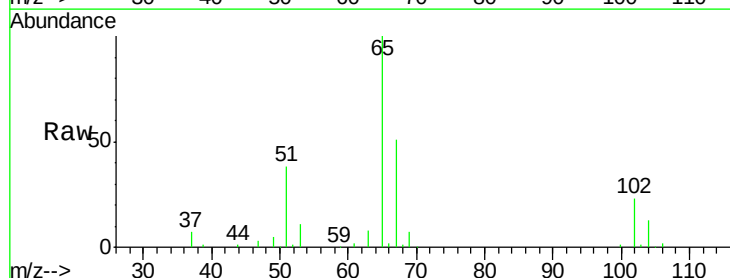
RT: 7.99 min Scan# 1933

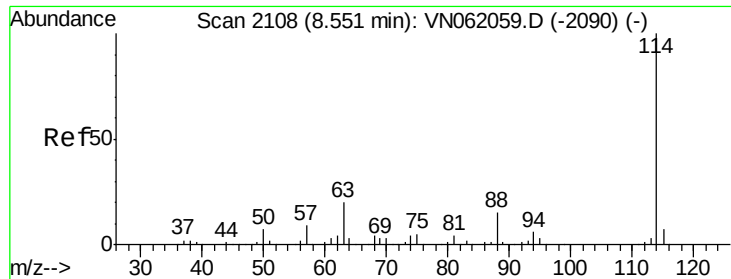
Delta R.T. 0.00 min

Lab File: VN062149.D

Acq: 26 Jun 2020 19:02

Tgt Ion:	65	Resp:	145232
Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062149.D

Acq: 26 Jun 2020 19:02

Instrument :

MSVOA_N

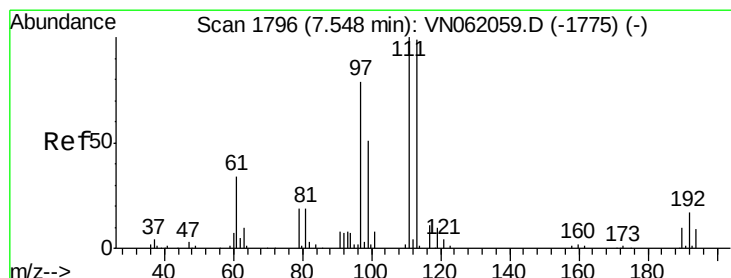
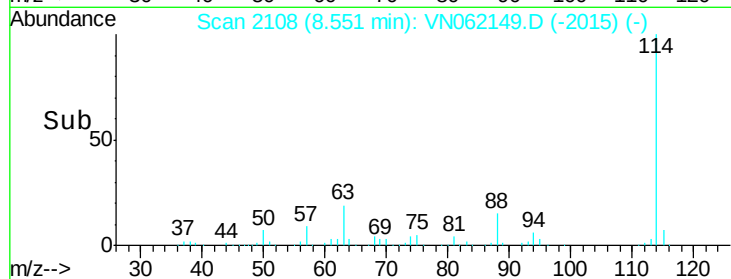
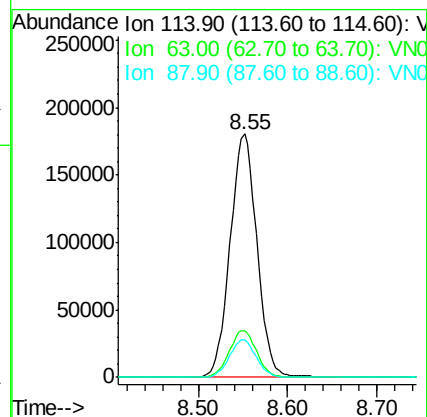
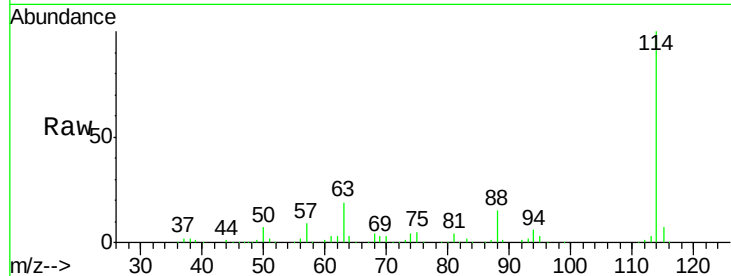
ClientSampleId :

08BR-20200622

Tot Ion	Ratio	Resp	Lower	Upper
114	100	375753		
63	19.2	0.0	39.2	
88	15.2	0.0	30.8	

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#35

Dibromofluoromethane

Concen: 50.510 ug/l

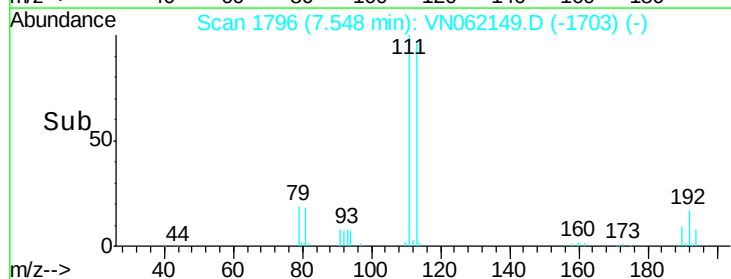
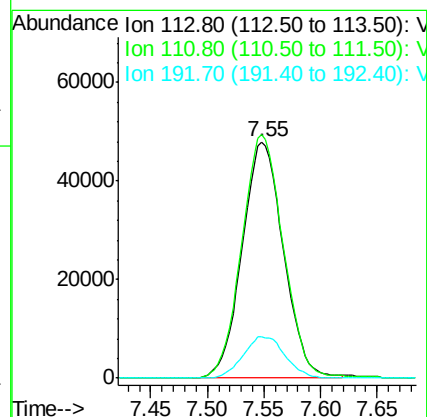
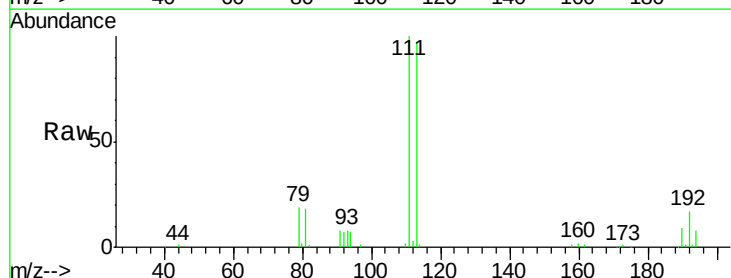
RT: 7.55 min Scan# 1796

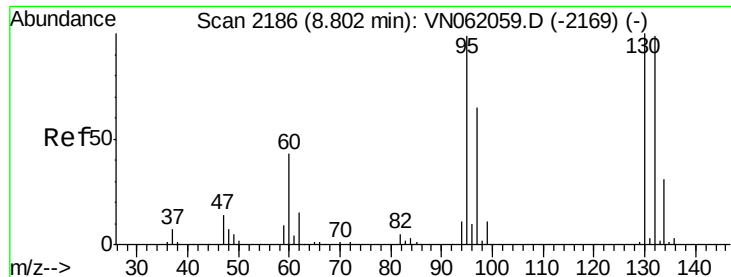
Delta R.T. 0.00 min

Lab File: VN062149.D

Acq: 26 Jun 2020 19:02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	121761		
111	103.9	82.2	123.4	
192	17.8	14.0	21.0	





#44

Trichloroethene

Concen: 472.683 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN062149.D

Acq: 26 Jun 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

08BR-20200622

Tot Ion:130 Resp: 1372616

Ion Ratio Lower Upper

130 100

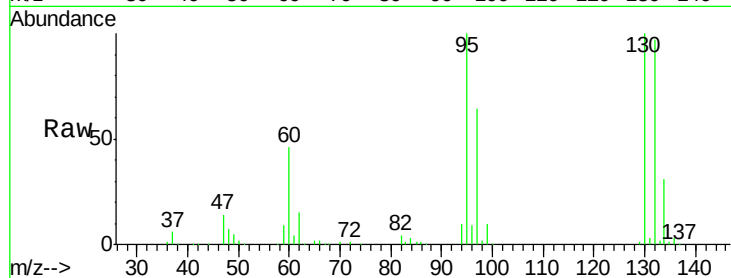
95 100.3 0.0 197.8

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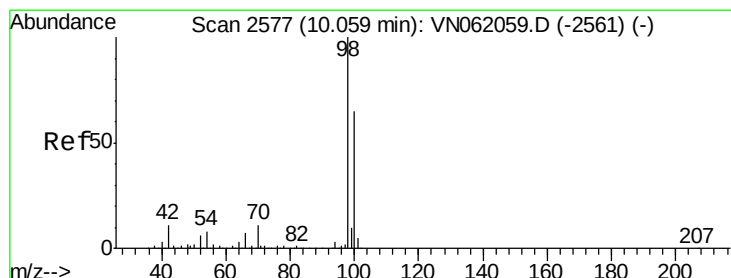
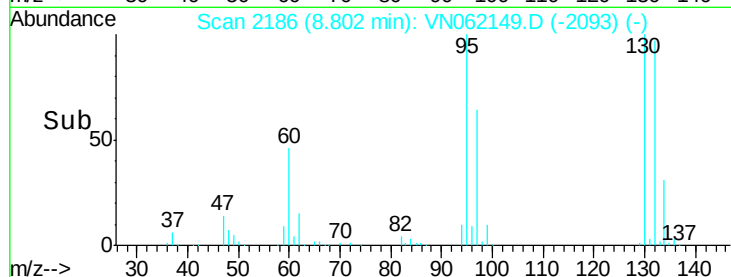
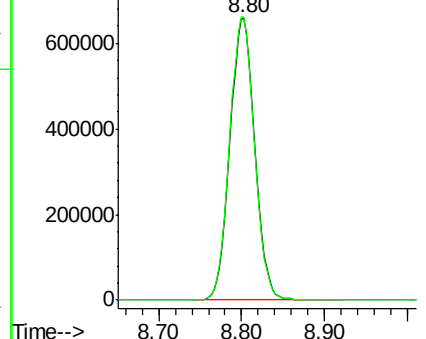
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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#50

Toluene-d8

Concen: 49.675 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062149.D

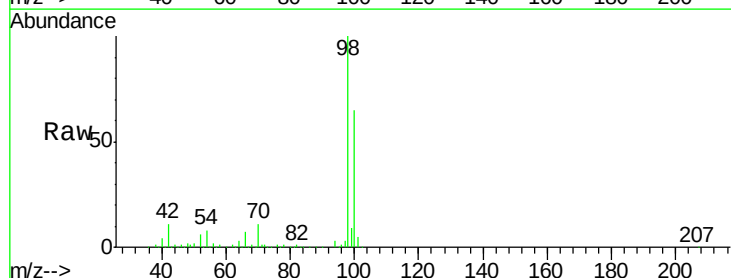
Acq: 26 Jun 2020 19:02

Tgt Ion: 98 Resp: 478670

Ion Ratio Lower Upper

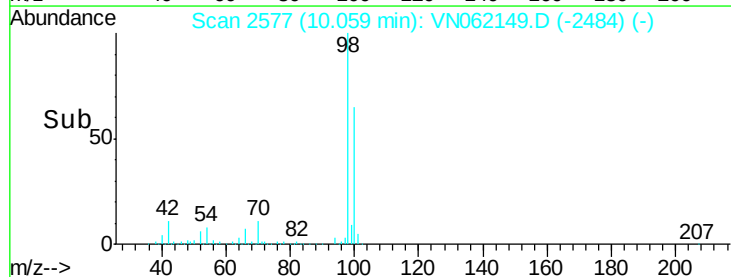
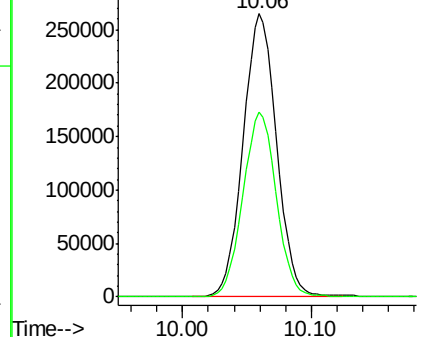
98 100

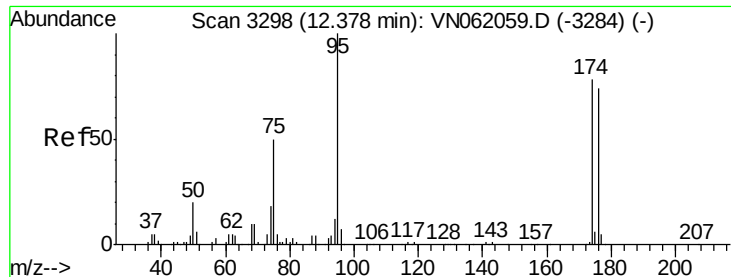
100 65.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 47.402 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062149.D

Acq: 26 Jun 2020 19:02

Instrument :

MSVOA_N

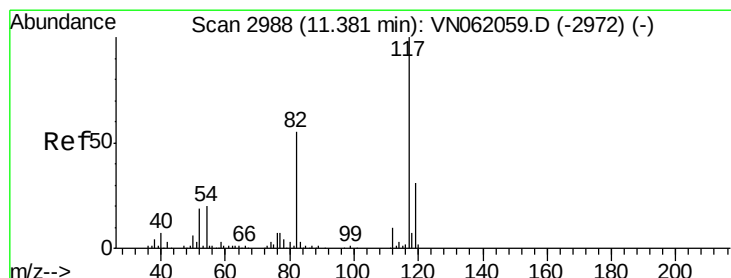
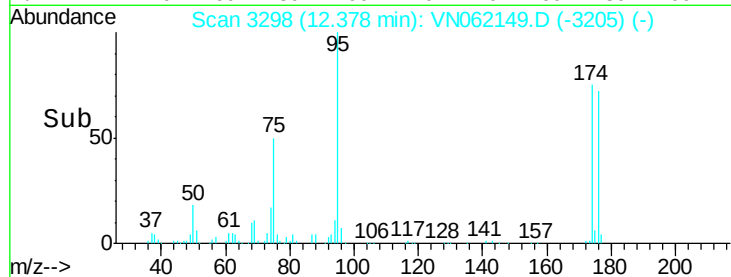
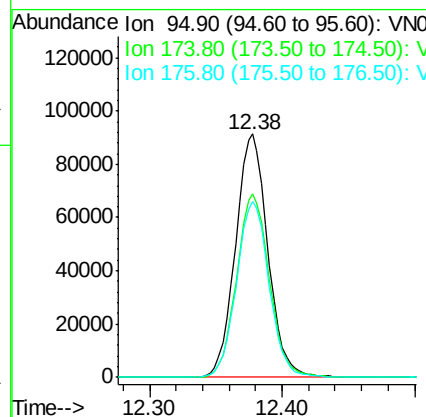
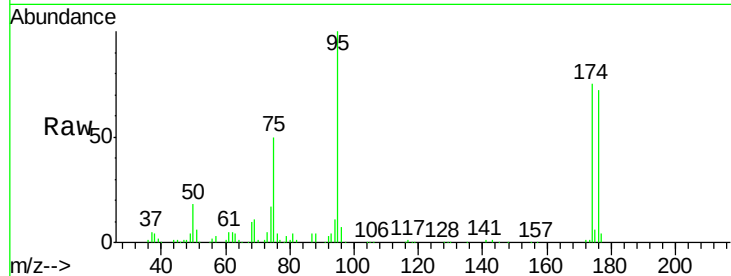
ClientSampleId :

08BR-20200622

Tot Ion:	95	Resp:	154323
Ion	Ratio	Lower	Upper
95	100		
174	77.0	0.0	154.8
176	72.8	0.0	147.4

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:35:40 PM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

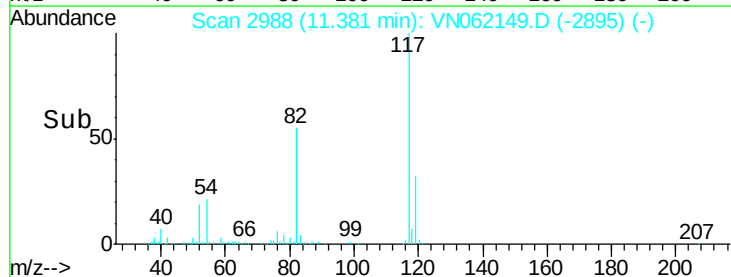
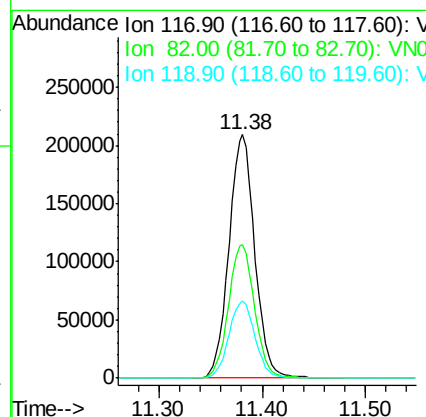
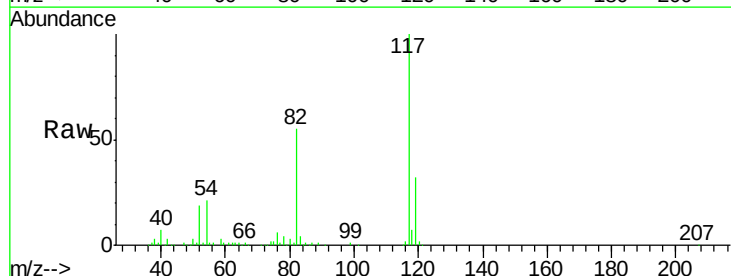
RT: 11.38 min Scan# 2988

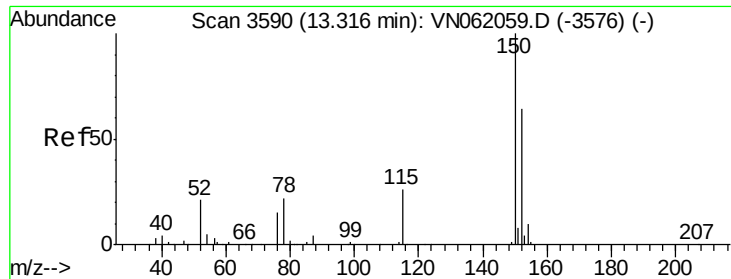
Delta R.T. 0.00 min

Lab File: VN062149.D

Acq: 26 Jun 2020 19:02

Tgt Ion:	117	Resp:	365050
Ion	Ratio	Lower	Upper
117	100		
82	54.6	43.8	65.8
119	31.5	25.2	37.8





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VN062149.D
 Acq: 26 Jun 2020 19:02

Instrument :
 MSVOA_N
 ClientSampleId :
 08BR-20200622

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.0	29.5	88.5
150	158.9	0.0	351.4

Manual Integrations
 APPROVED

MMDadoda
 6/29/2020 12:35:40 PM

