

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100120\
 Data File : VN063805.D
 Acq On : 2 Oct 2020 5:44
 Operator : JC/MD
 Sample : L4236-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

Manual Integrations
 APPROVED

MMDadoda
 10/2/2020 3:12:18 PM

Quant Time: Oct 02 06:47:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	206884	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	387356	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	388027	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	163315	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	182312	53.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.68%	
35) Dibromofluoromethane	7.55	113	132278	49.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.42%	
50) Toluene-d8	10.06	98	490704	48.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.32%	
62) 4-Bromofluorobenzene	12.38	95	188492	49.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.42%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.16	62	19639	7.638	ug/l	99
6) Chloroethane	2.67	64	1144	0.745	ug/l	90
12) 1,1-Dichloroethene	3.70	96	137493	65.998	ug/l	97
16) Acetone	3.79	43	4459m	4.238	ug/l	
24) 1,1-Dichloroethane	5.79	63	87215	19.155	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	30470	11.354	ug/l	91
39) Methylcyclohexane	9.05	83	1313m	0.336	ug/l	
40) Benzene	8.01	78	7042	0.628	ug/l #	86
42) 1,2-Dichloroethane	8.09	62	14475	3.025	ug/l	98
44) Trichloroethene	8.81	130	2564	0.873	ug/l	96
49) 1,4-Dioxane	9.17	88	27788	615.371	ug/l	97

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

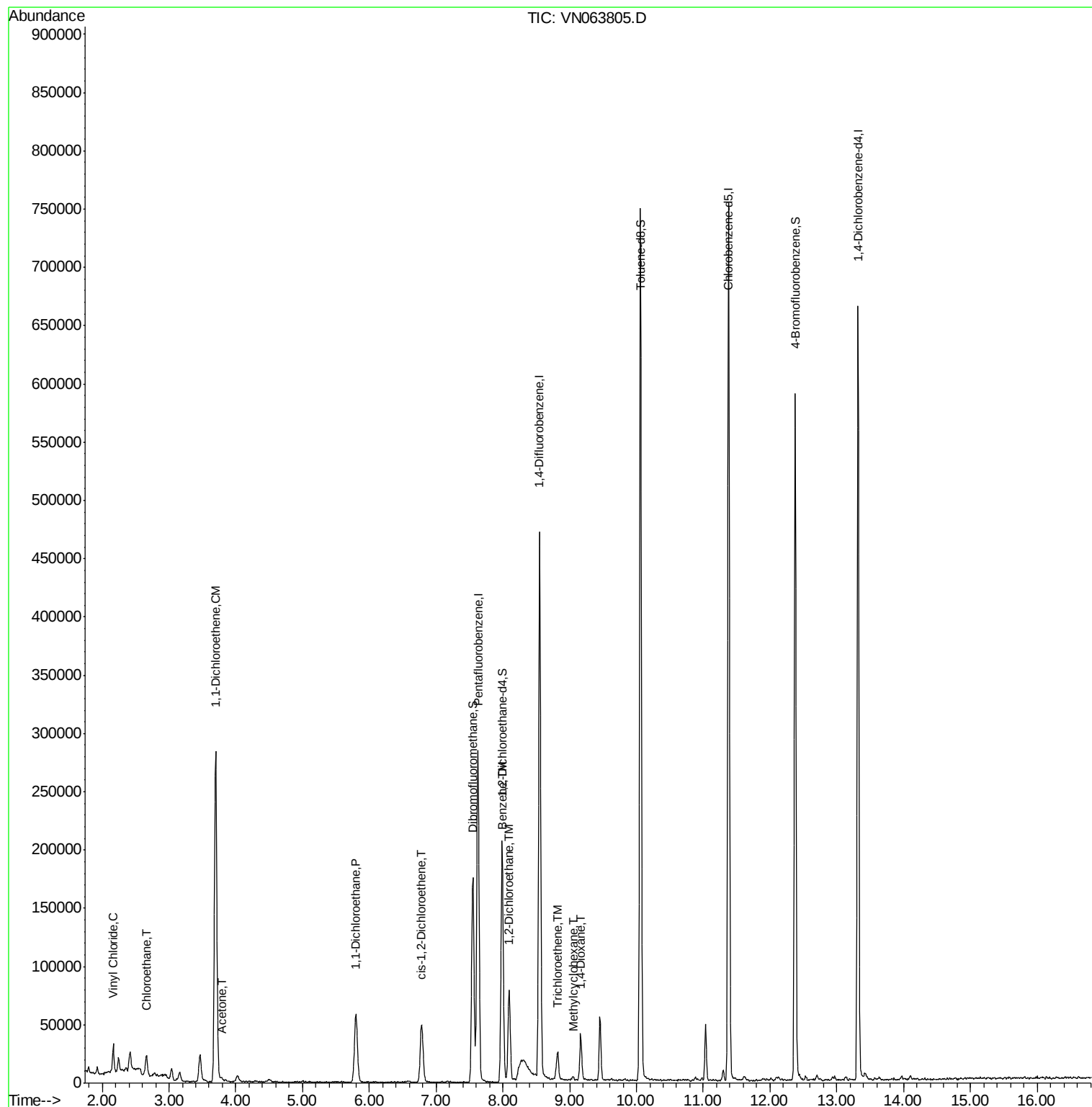
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100120\
Data File : VN063805.D
Acq On : 2 Oct 2020 5:44
Operator : JC/MD
Sample : L4236-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 48 Sample Multiplier: 1

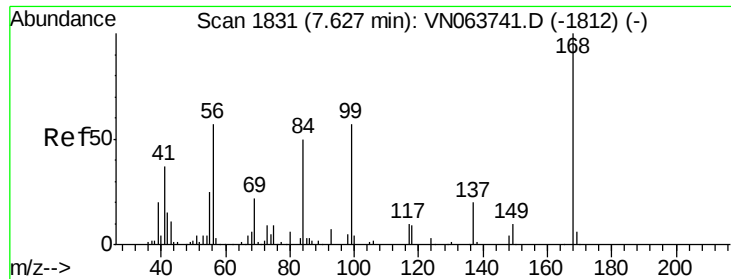
Instrument :
MSVOA_N
ClientSampleId :
MW-2

Manual Integrations
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Quant Time: Oct 02 06:47:55 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 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: VN063805.D

Acq: 2 Oct 2020 5:44

Instrument :

MSVOA_N

ClientSampleId :

MW-2

Tot Ion:168 Resp: 206884

Ion Ratio Lower Upper

168 100

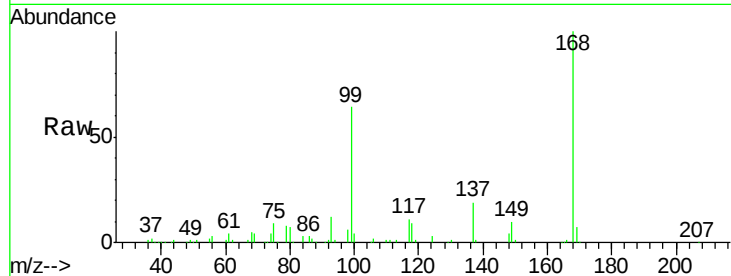
99 63.9 51.8 77.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

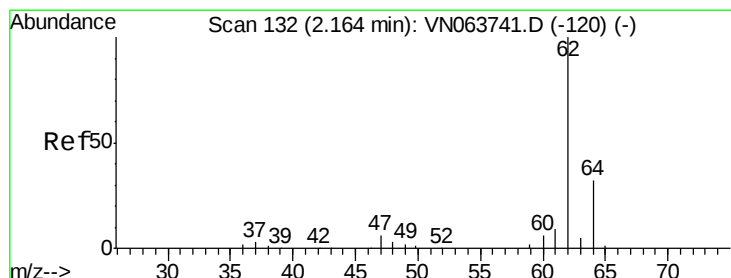
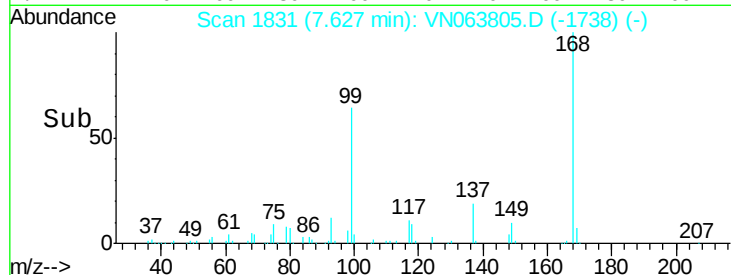
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#4

Vinyl Chloride

Concen: 7.638 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN063805.D

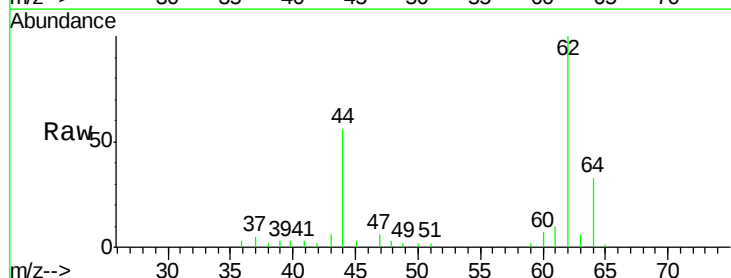
Acq: 2 Oct 2020 5:44

Tgt Ion: 62 Resp: 19639

Ion Ratio Lower Upper

62 100

64 32.7 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN

Ion 63.90 (63.60 to 64.60): VN

2.16

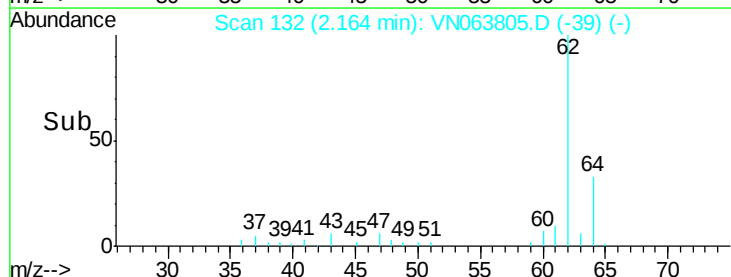
15000

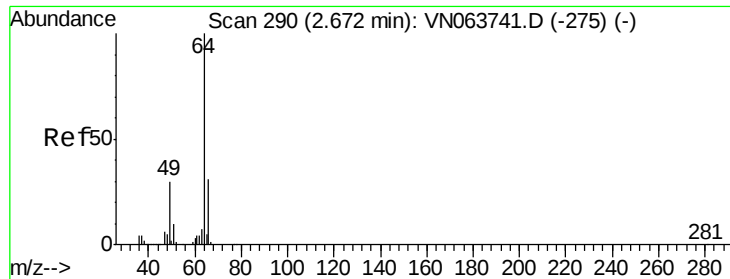
10000

5000

0

Time--> 2.10 2.15 2.20





#6

Chloroethane

Concen: 0.745 ug/l

RT: 2.67 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN063805.D

Acq: 2 Oct 2020 5:44

Instrument :

MSVOA_N

ClientSampled :

MW-2

Tot Ion: 64 Resp: 1144

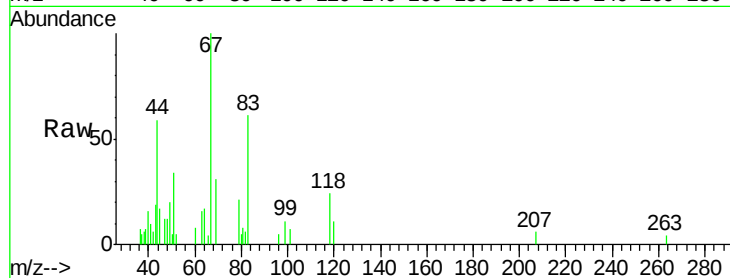
Ion Ratio Lower Upper

64 100

66 25.6 25.1 37.7

Manual Integrations
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Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.67

600

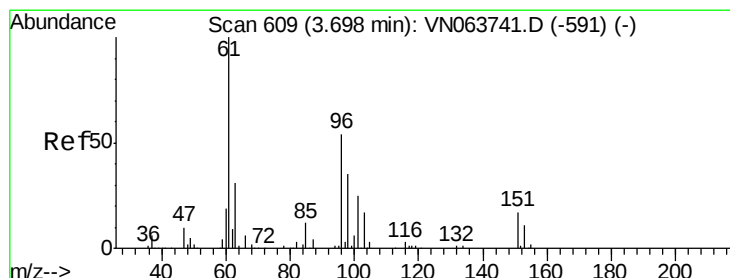
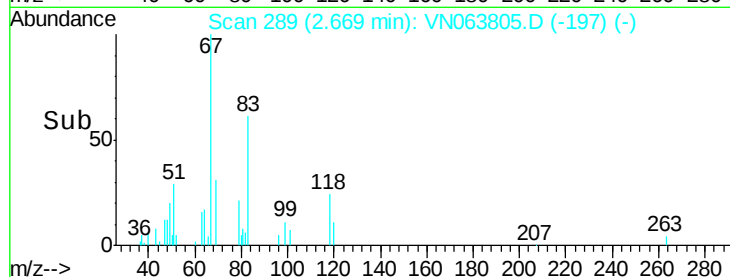
400

200

0

2.62 2.64 2.66 2.68 2.70

Time-->



#12

1,1-Dichloroethene

Concen: 65.998 ug/l

RT: 3.70 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN063805.D

Acq: 2 Oct 2020 5:44

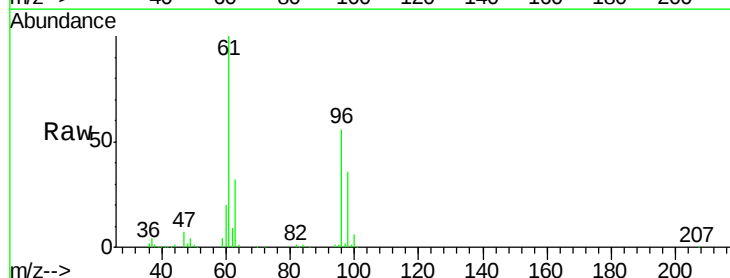
Tgt Ion: 96 Resp: 137493

Ion Ratio Lower Upper

96 100

61 178.6 147.7 221.5

98 64.0 51.9 77.9



Abundance Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

120000

100000

80000

60000

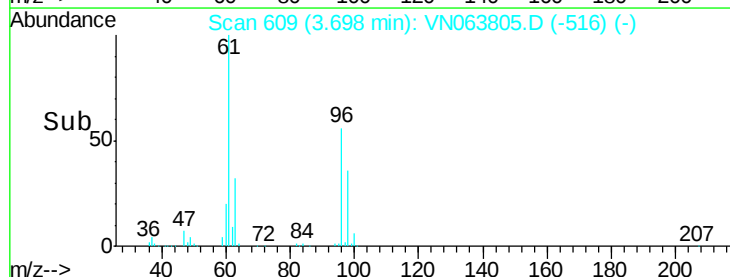
40000

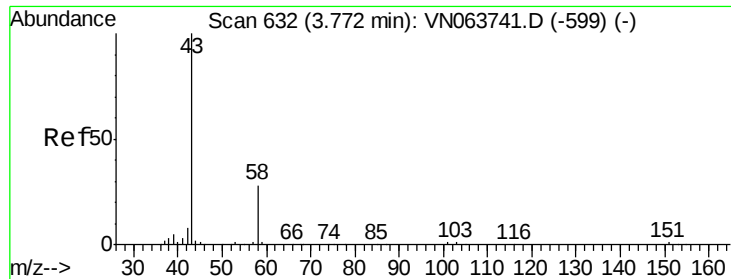
20000

0

3.60 3.70 3.80

Time-->





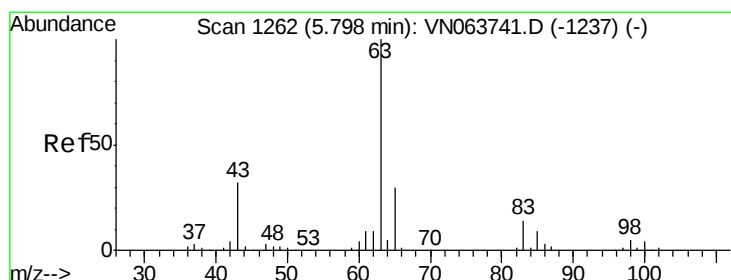
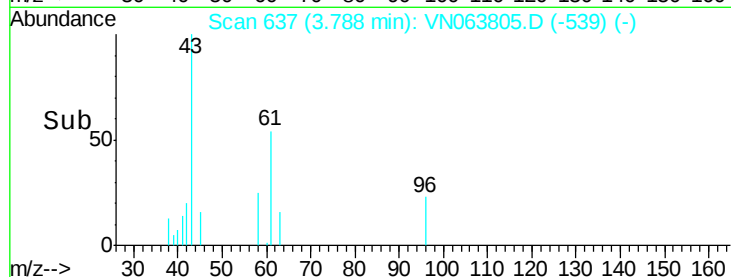
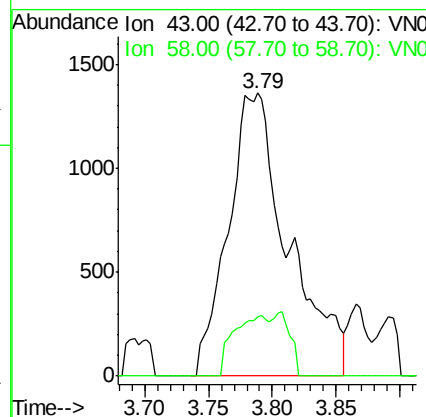
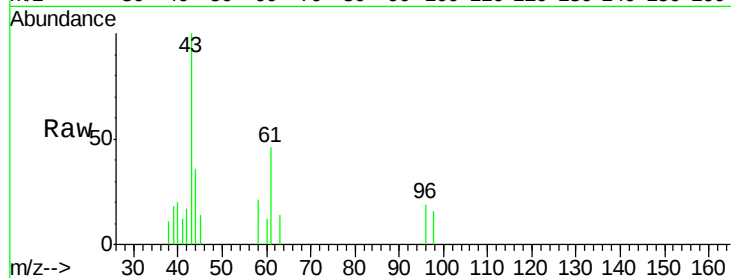
#16
Acetone
Concen: 4.238 ug/l m
RT: 3.79 min Scan# 637
Delta R.T. 0.02 min
Lab File: VN063805.D
Acq: 2 Oct 2020 5:44

Instrument :
MSVOA_N
ClientSampled :
MW-2

Tot Ion: 43 Resp: 4459
Ion Ratio Lower Upper
43 100
58 20.9 22.3 33.5#

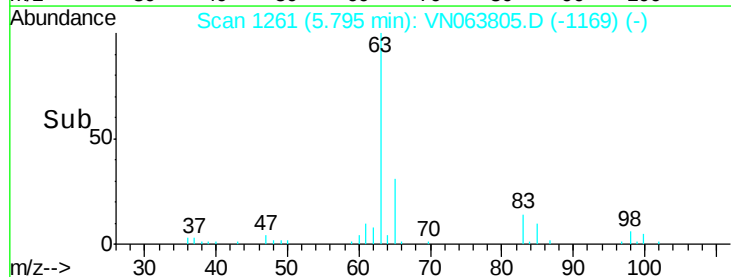
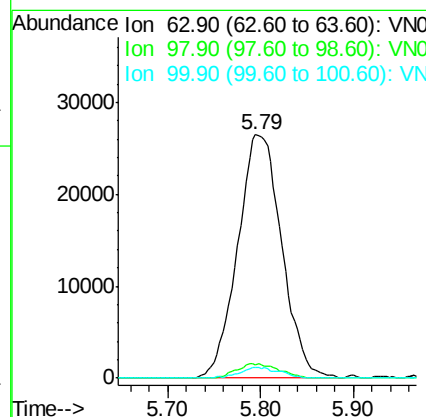
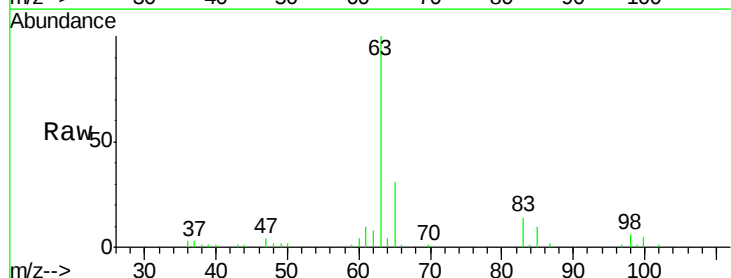
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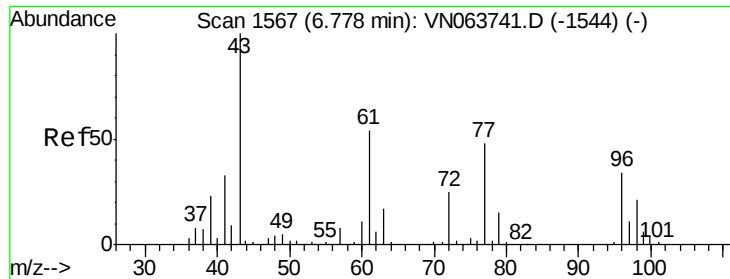
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#24
1,1-Dichloroethane
Concen: 19.155 ug/l
RT: 5.79 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VN063805.D
Acq: 2 Oct 2020 5:44

Tgt Ion: 63 Resp: 87215
Ion Ratio Lower Upper
63 100
98 5.7 2.7 8.1
100 4.6 1.9 5.7





#27

cis-1,2-Dichloroethene

Concen: 11.354 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063805.D

Acq: 2 Oct 2020 5:44

Instrument :

MSVOA_N

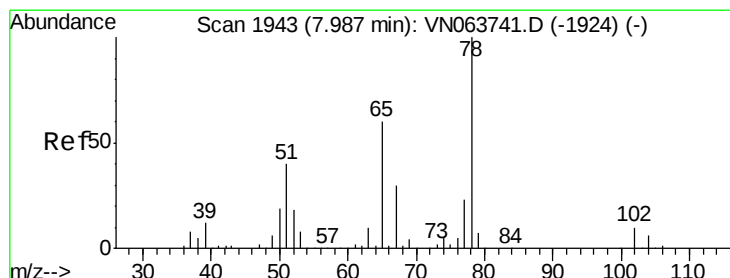
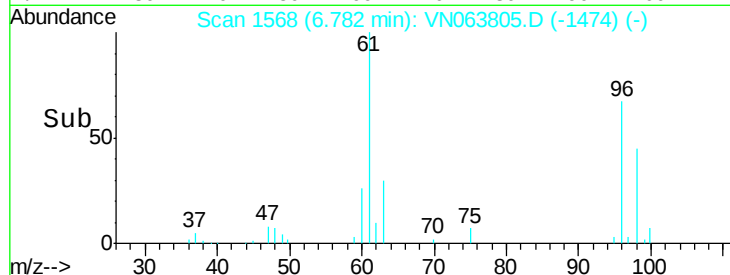
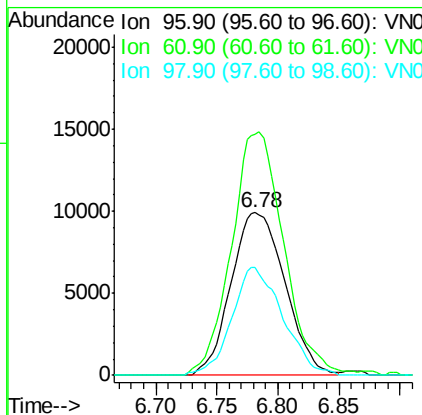
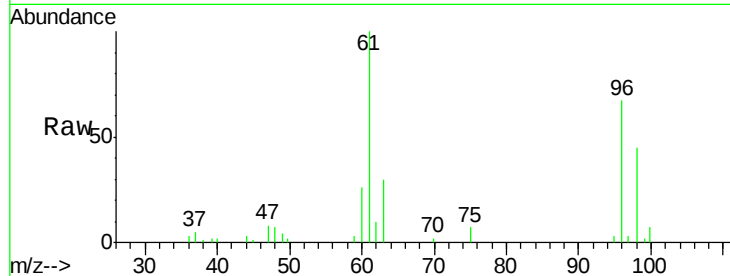
ClientSampled :

MW-2

Tot Ion:	96	Resp:	30470
Ion	Ratio	Lower	Upper
96	100		
61	145.0	0.0	321.2
98	62.5	0.0	124.4

Manual Integrations
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#33

1,2-Dichloroethane-d4

Concen: 53.341 ug/l

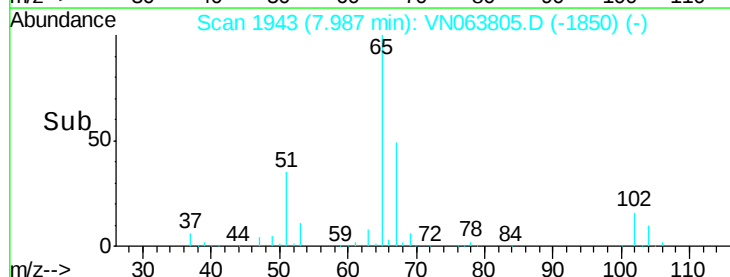
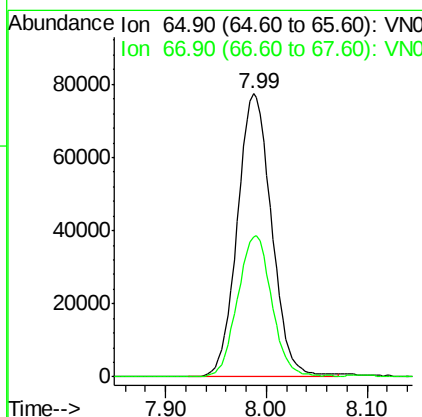
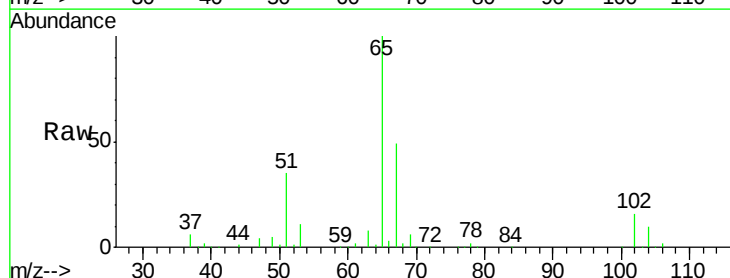
RT: 7.99 min Scan# 1943

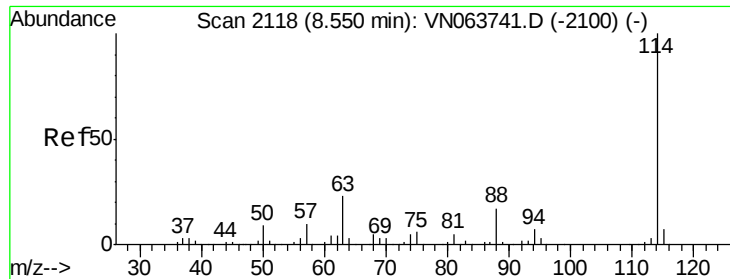
Delta R.T. 0.00 min

Lab File: VN063805.D

Acq: 2 Oct 2020 5:44

Tgt Ion:	65	Resp:	182312
Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	99.6





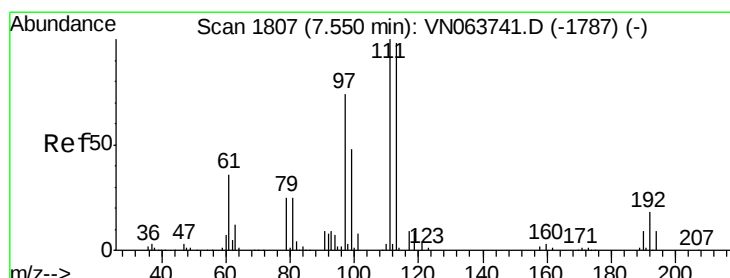
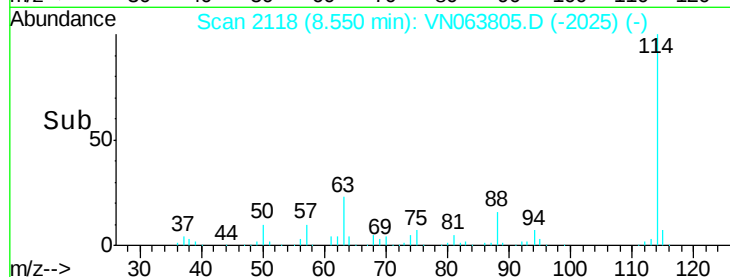
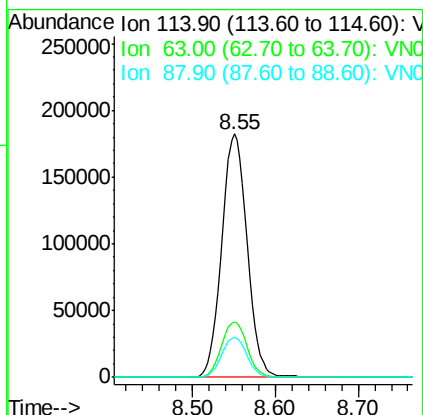
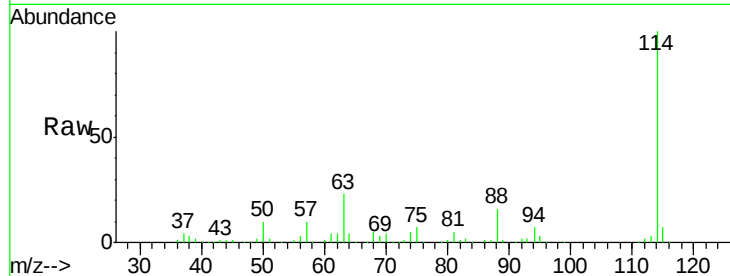
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN063805.D
Acq: 2 Oct 2020 5:44

Instrument :
MSVOA_N
ClientSampled :
MW-2

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	23.0	0.0	45.0
88	16.3	0.0	34.0

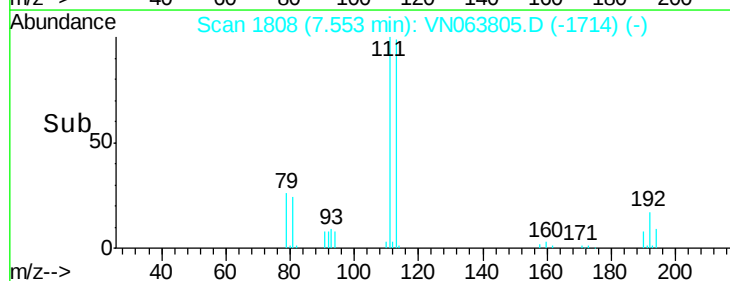
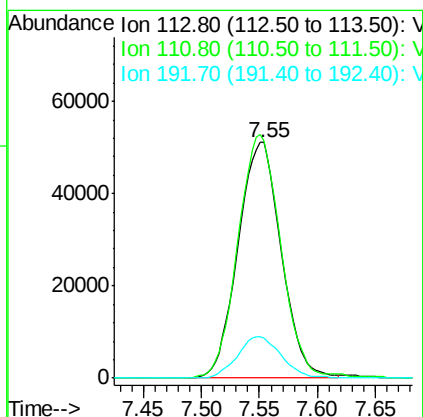
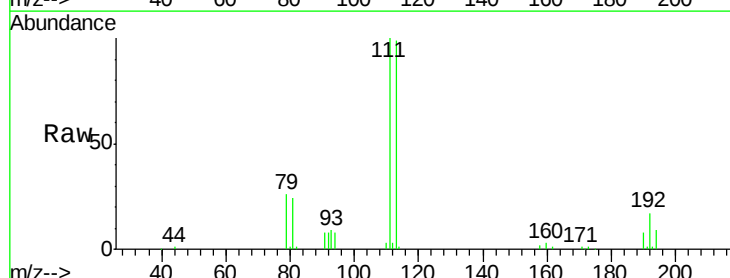
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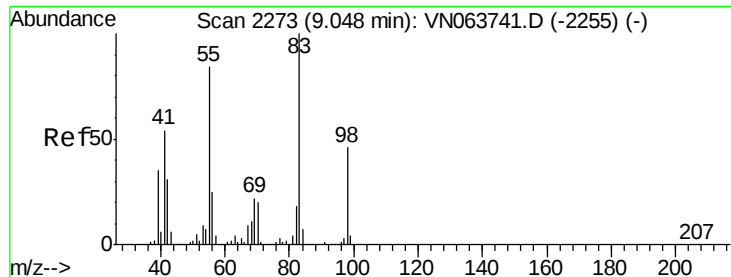
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#35
Dibromofluoromethane
Concen: 49.215 ug/l
RT: 7.55 min Scan# 1808
Delta R.T. 0.00 min
Lab File: VN063805.D
Acq: 2 Oct 2020 5:44

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	101.8	81.8	122.8
192	17.8	14.2	21.2





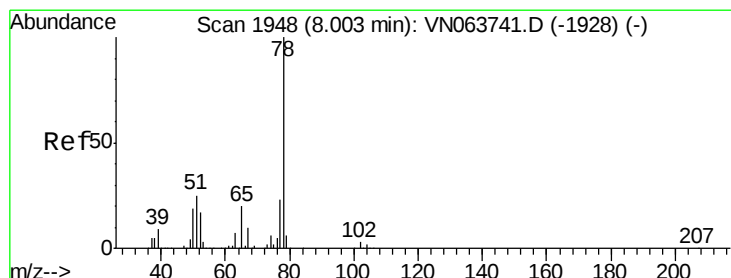
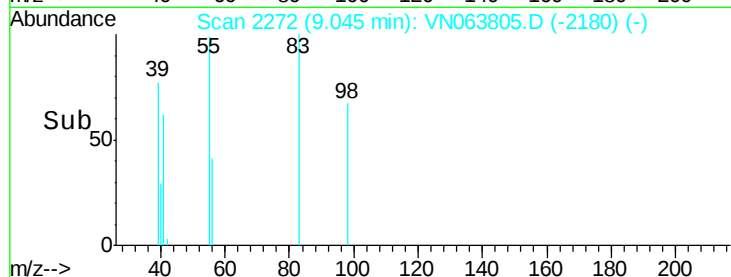
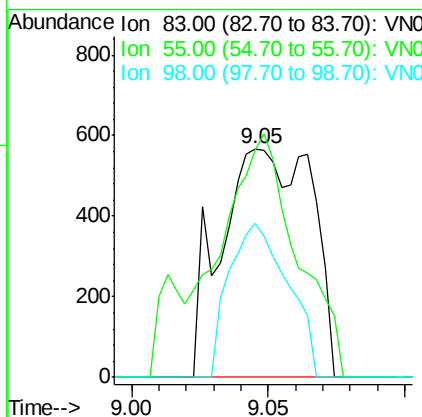
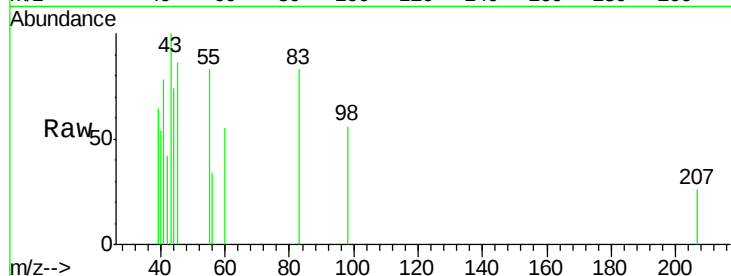
#39
Methvlcvclohexane
Concen: 0.336 ug/l m
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063805.D
Acq: 2 Oct 2020 5:44

Instrument :
MSVOA_N
ClientSampled :
MW-2

Tot Ion	Ratio	Lower	Upper
83	100		
55	99.5	67.1	100.7
98	67.4	36.6	54.8#

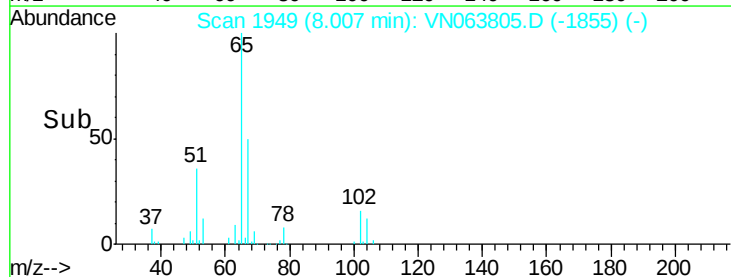
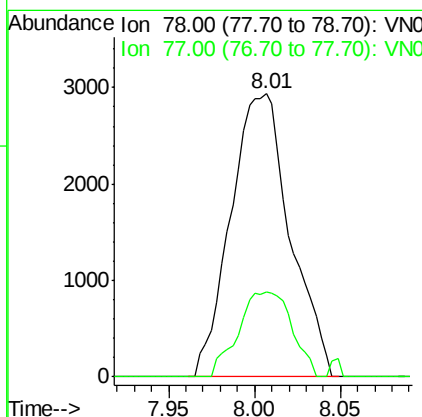
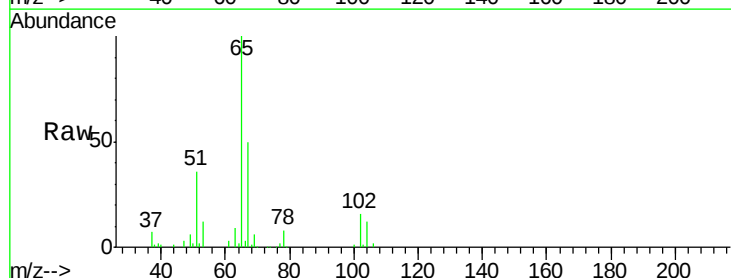
Manual Integrations
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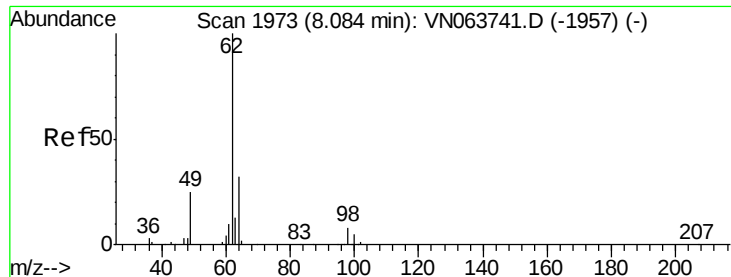
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#40
Benzene
Concen: 0.628 ug/l
RT: 8.01 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN063805.D
Acq: 2 Oct 2020 5:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	30.2	18.7	28.1#





#42

1,2-Dichloroethane

Concen: 3.025 ug/l

RT: 8.09 min Scan# 1975

Delta R.T. 0.01 min

Lab File: VN063805.D

Acq: 2 Oct 2020 5:44

Instrument :

MSVOA_N

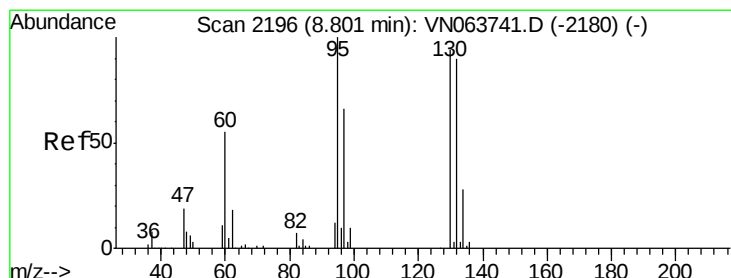
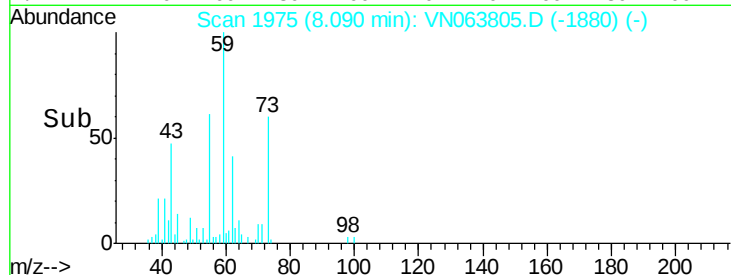
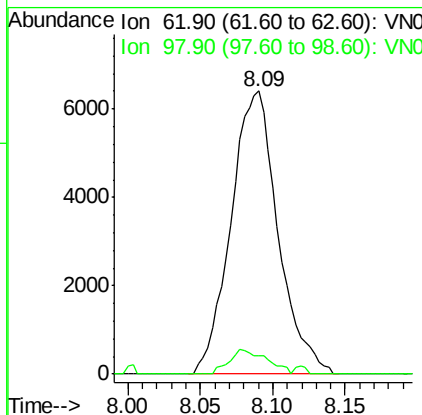
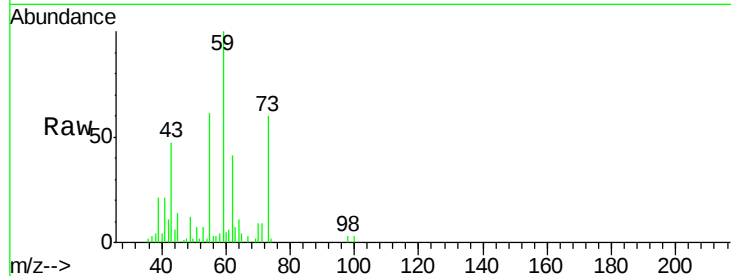
ClientSampled :

MW-2

Tot Ion	62	Resp	14475
Ion Ratio	100	Lower	Upper
62	100		
98	6.9	0.0	15.0

Manual Integrations
APPROVED

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10/2/2020 3:12:18 PM



#44

Trichloroethene

Concen: 0.873 ug/l

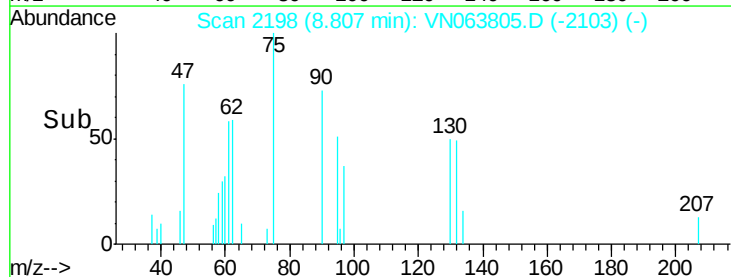
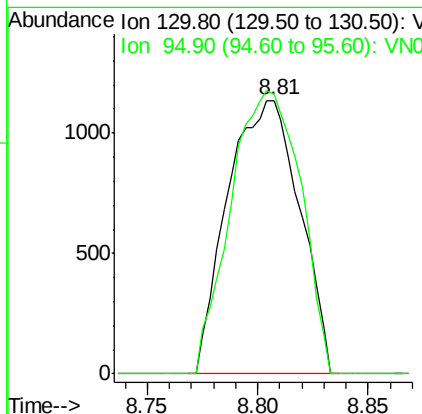
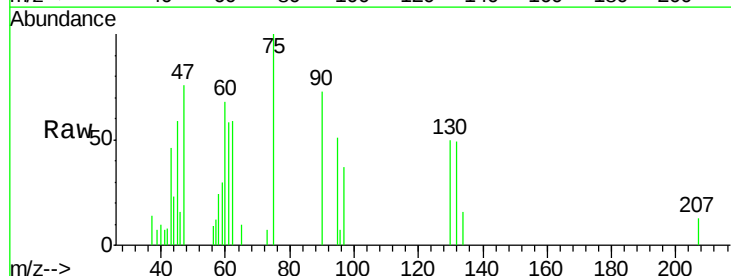
RT: 8.81 min Scan# 2198

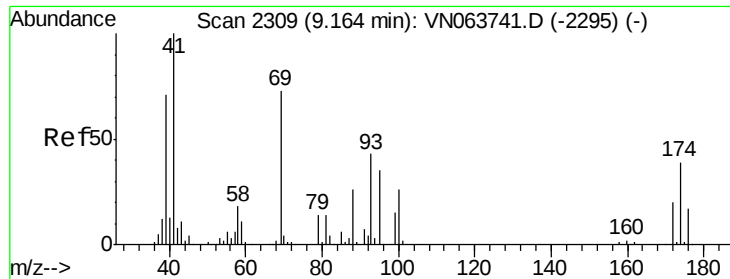
Delta R.T. 0.01 min

Lab File: VN063805.D

Acq: 2 Oct 2020 5:44

Tgt Ion	130	Resp	2564
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
130	100		
95	102.2	0.0	213.6





#49

1,4-Dioxane

Concen: 615.371 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN063805.D

Acq: 2 Oct 2020 5:44

Instrument :

MSVOA_N

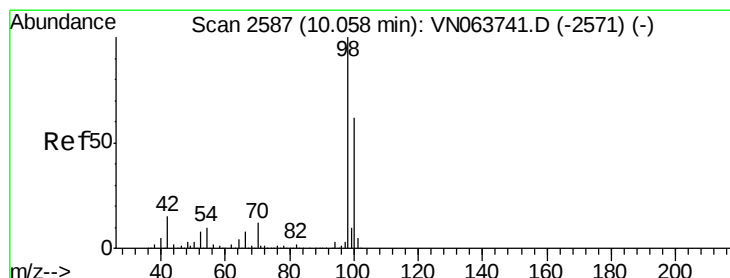
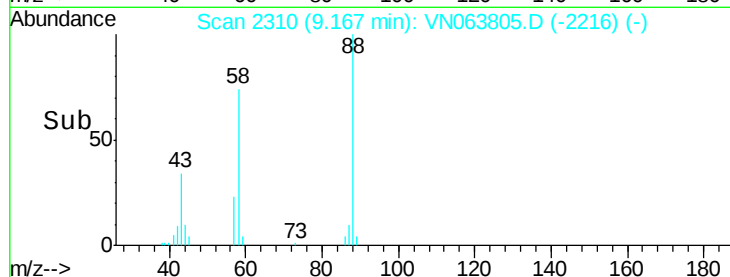
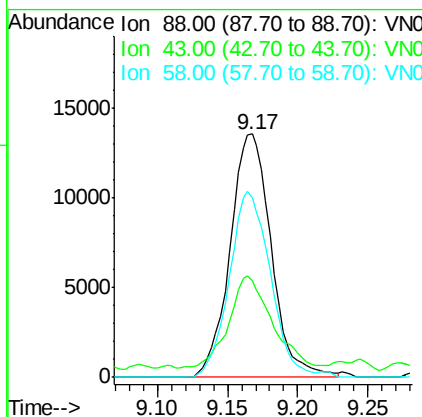
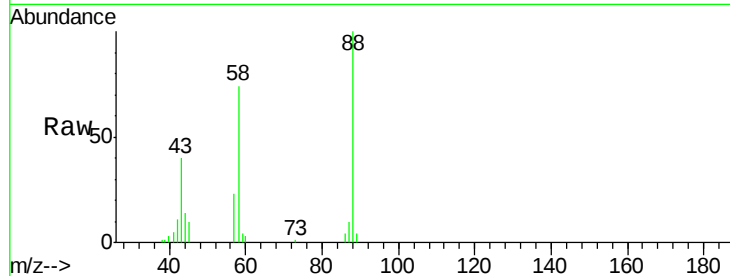
ClientSampleId :

MW-2

Tot Ion:	88	Resp:	27788
Ion	Ratio	Lower	Upper
88	100		
43	39.5	33.1	49.7
58	75.5	58.9	88.3

Manual Integrations
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#50

Toluene-d8

Concen: 48.160 ug/l

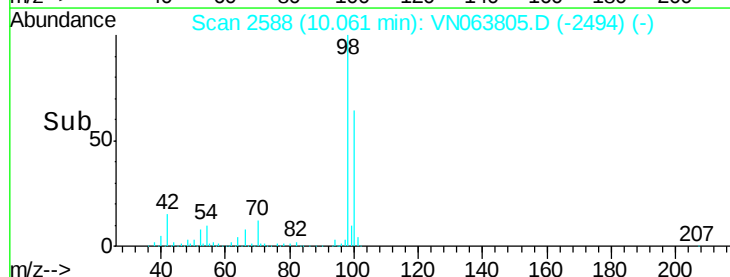
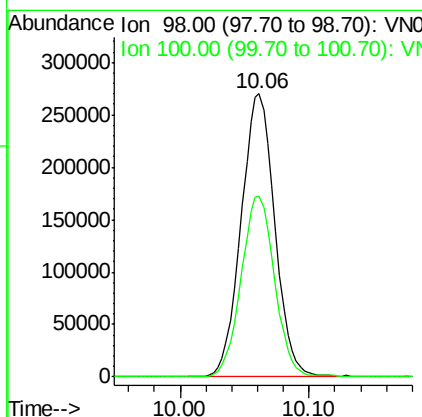
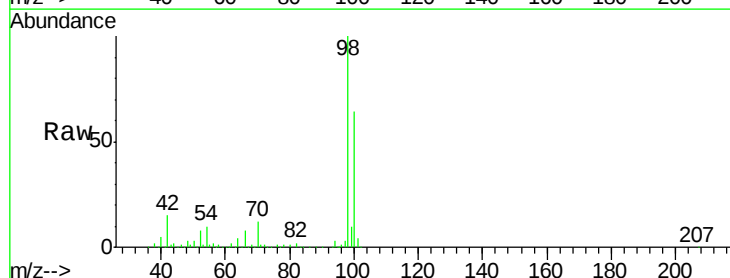
RT: 10.06 min Scan# 2588

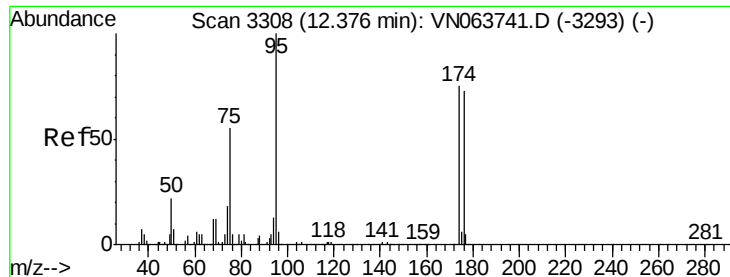
Delta R.T. 0.00 min

Lab File: VN063805.D

Acq: 2 Oct 2020 5:44

Tgt Ion:	98	Resp:	490704
Ion	Ratio	Lower	Upper
98	100		
100	63.8	49.8	74.6





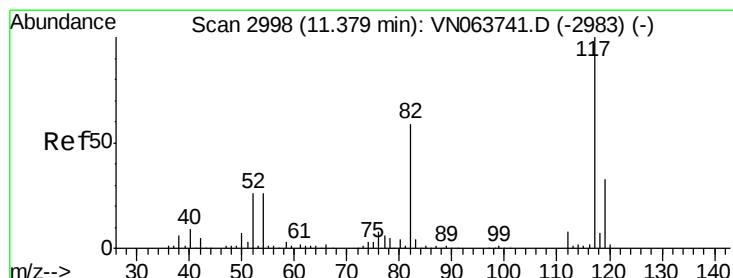
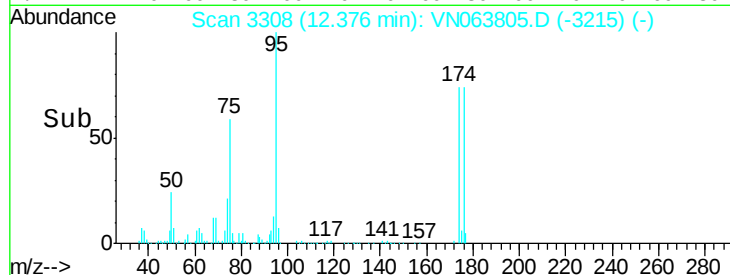
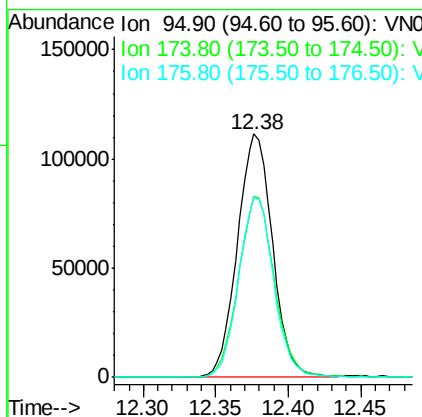
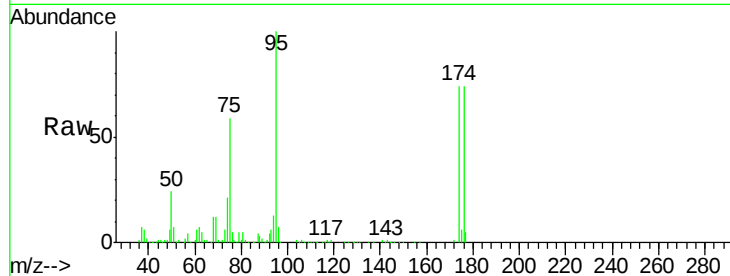
#62
4-Bromofluorobenzene
Concen: 49.212 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN063805.D
Acq: 2 Oct 2020 5:44

Instrument :
MSVOA_N
ClientSampled :
MW-2

Tot Ion	Ratio	Resp	Lower	Upper
95	100	188492		
174	75.8	0.0	150.6	
176	73.4	0.0	145.4	

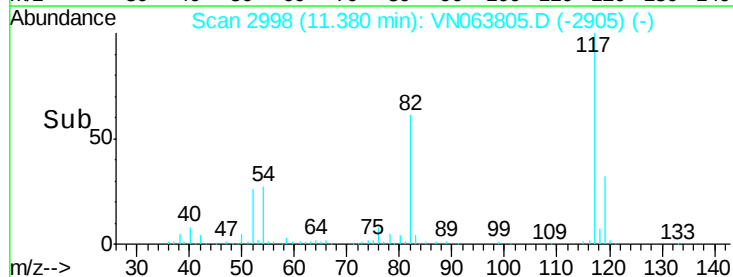
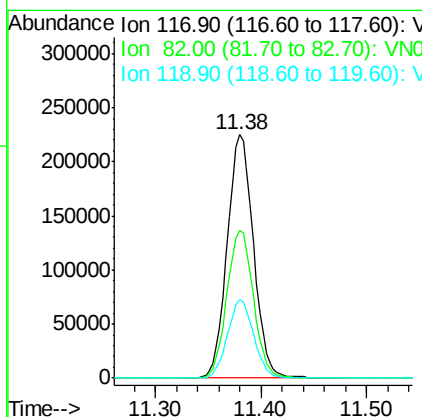
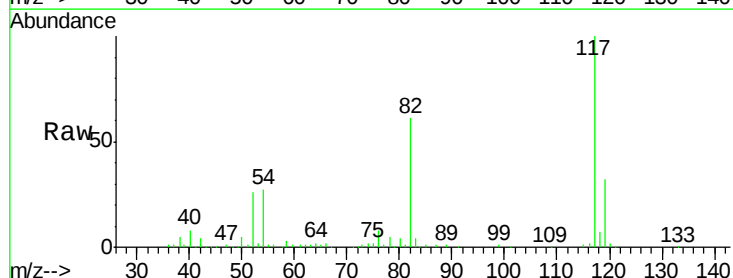
Manual Integrations
APPROVED

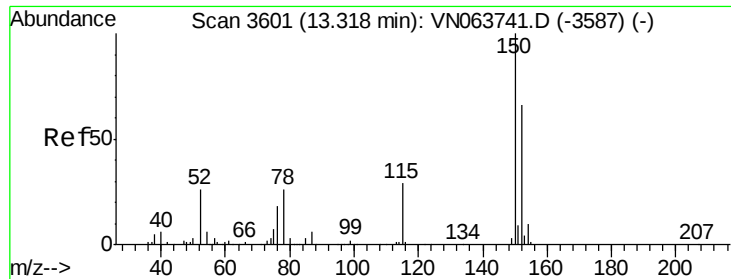
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063805.D
Acq: 2 Oct 2020 5:44

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	388027		
82	60.7	47.4	71.2	
119	32.0	26.4	39.6	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063805.D

Acq: 2 Oct 2020 5:44

Instrument :

MSVOA_N

ClientSampleId :

MW-2

Tot Ion:152 Resp: 163315

Ion Ratio Lower Upper

152 100

115 61.4 31.3 93.8

150 157.7 0.0 341.8

Manual Integrations

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