

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101520\
 Data File : VN064146.D
 Acq On : 15 Oct 2020 16:19
 Operator : JC/MD
 Sample : L4418-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB-2020-WW-000-02

Manual Integrations
 APPROVED

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 10/19/2020 11:26:12 AM

Quant Time: Oct 16 03:18:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101420W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 15 01:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	316097	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	582433	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	642045	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	263080	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	233150	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	
35) Dibromofluoromethane	7.55	113	199075	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
50) Toluene-d8	10.06	98	753233	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
62) 4-Bromofluorobenzene	12.38	95	290743	55.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.22%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.04	50	1771	0.477	ug/l	89
4) Vinyl Chloride	2.16	62	2099	0.455	ug/l #	63
12) 1,1-Dichloroethene	3.70	96	3671	1.166	ug/l	90
16) Acetone	3.78	43	9722m	7.281	ug/l	
21) trans-1,2-Dichloroethene	4.99	96	16835	4.717	ug/l	94
27) cis-1,2-Dichloroethene	6.78	96	150801	35.914	ug/l	90
40) Benzene	8.01	78	14668	0.863	ug/l	97
44) Trichloroethene	8.80	130	280322	62.707	ug/l	99
52) Toluene	10.13	92	4038	0.387	ug/l	88
64) Tetrachloroethene	10.61	164	9484949	1959.449	ug/l	90
68) m/p-Xylenes	11.59	106	2264	2.429	ug/l	89
69) o-Xylene	11.92	106	1054	1.697	ug/l	68
70) Styrene	11.95	104	585	2.073	ug/l	94
84) 1,2,4-Trimethylbenzene	13.02	105	5033	0.499	ug/l	92

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

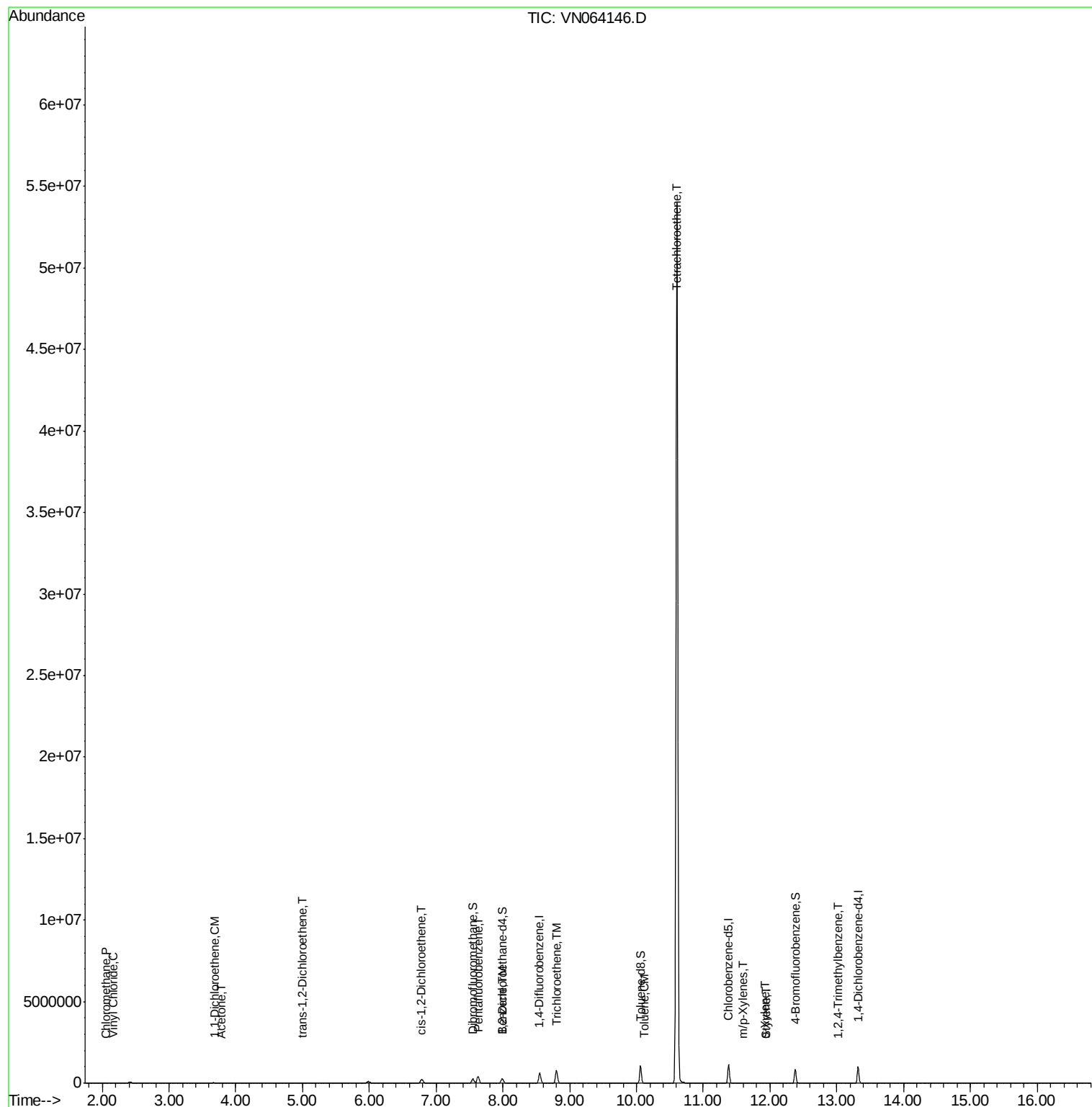
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101520\
Data File : VN064146.D
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ALS Vial : 14 Sample Multiplier: 1

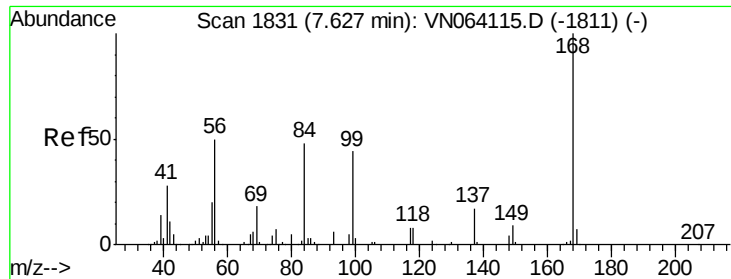
Instrument :
MSVOA_N
ClientSampleId :
PB-2020-WW-000-02

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Quant Time: Oct 16 03:18:22 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101420W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 15 01:16:44 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: VN064146.D

Acq: 15 Oct 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

PB-2020-WW-000-02

Tot Ion:168 Resp: 316097

Ion Ratio Lower Upper

168 100

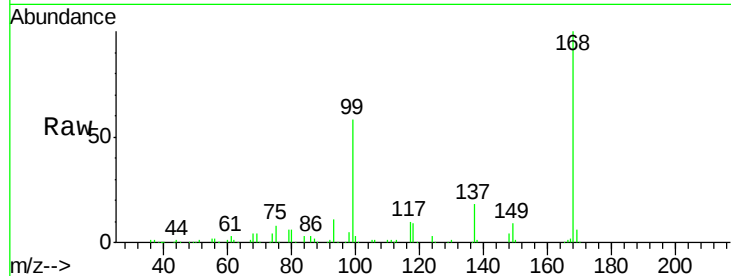
99 57.9 43.6 65.4

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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

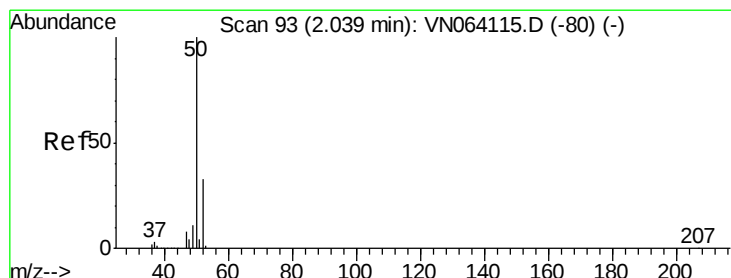
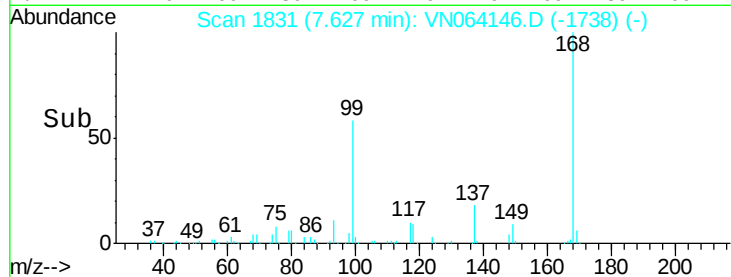
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.477 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064146.D

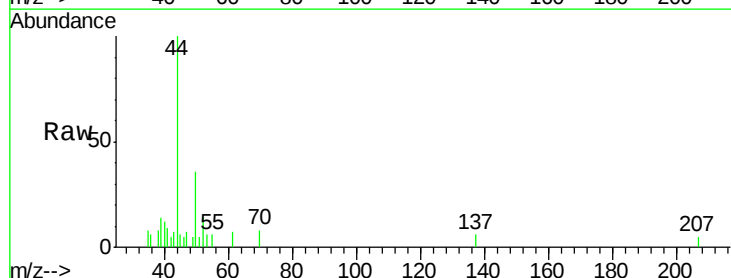
Acq: 15 Oct 2020 16:19

Tgt Ion: 50 Resp: 1771

Ion Ratio Lower Upper

50 100

52 38.6 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

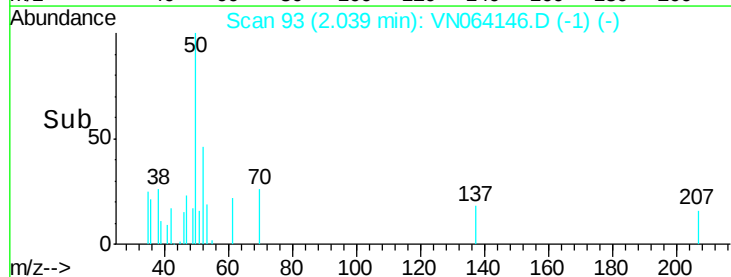
2.04

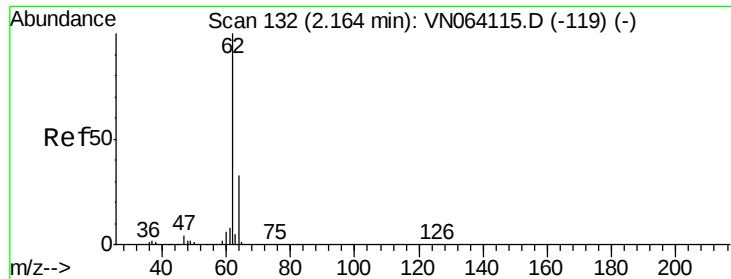
1000

500

0

Time--> 2.00 2.02 2.04 2.06 2.08





#4

Vinyl Chloride

Concen: 0.455 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064146.D

Acq: 15 Oct 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

PB-2020-WW-000-02

Tot Ion: 62 Resp: 2099

Ion Ratio Lower Upper

62 100

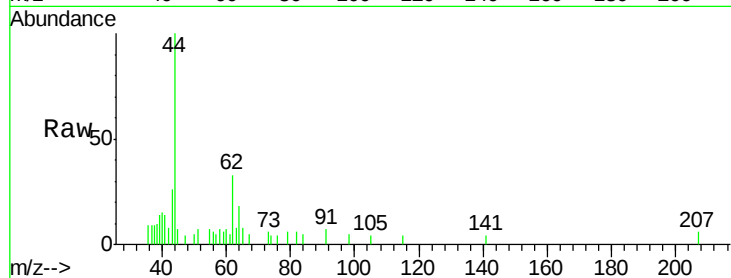
64 53.4 26.2 39.4#

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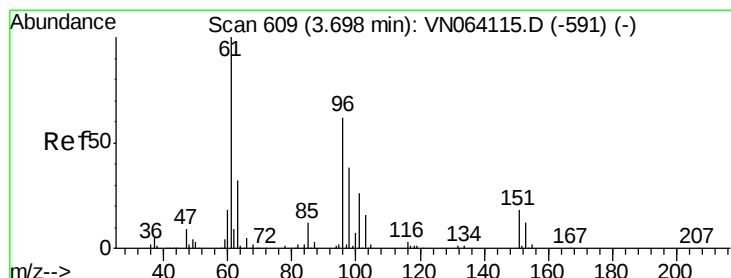
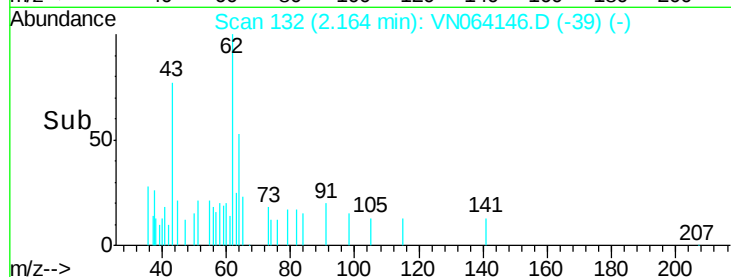
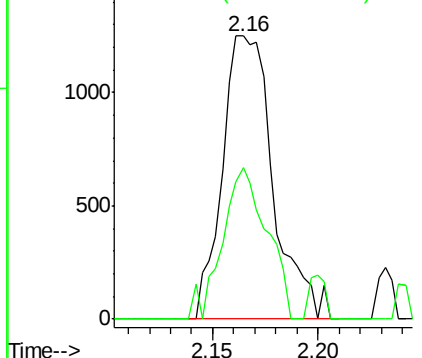
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Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



#12

1,1-Dichloroethene

Concen: 1.166 ug/l

RT: 3.70 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN064146.D

Acq: 15 Oct 2020 16:19

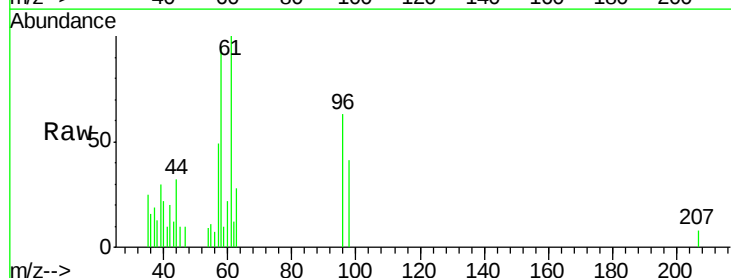
Tgt Ion: 96 Resp: 3671

Ion Ratio Lower Upper

96 100

61 147.5 129.9 194.9

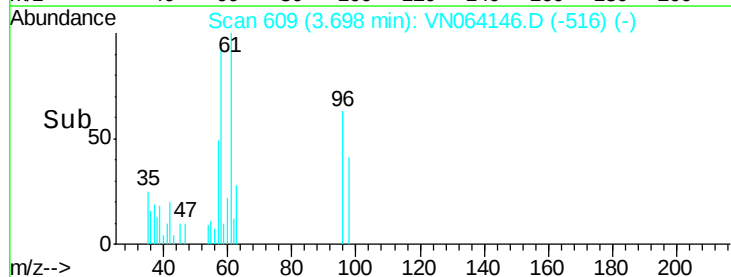
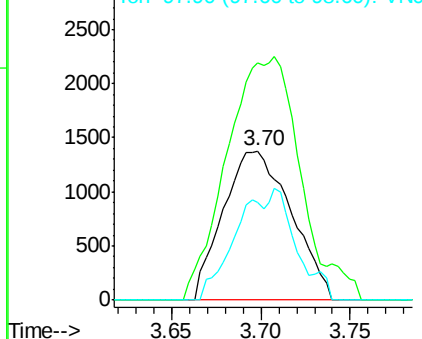
98 65.2 48.9 73.3

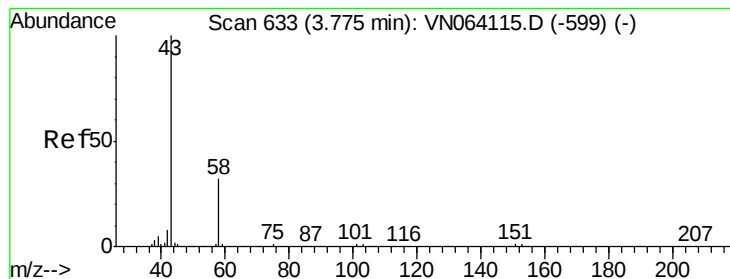


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#16

Acetone

Concen: 7.281 ug/l m

RT: 3.78 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN064146.D

Acq: 15 Oct 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

PB-2020-WW-000-02

Tot Ion: 43 Resp: 9722

Ion Ratio Lower Upper

43 100

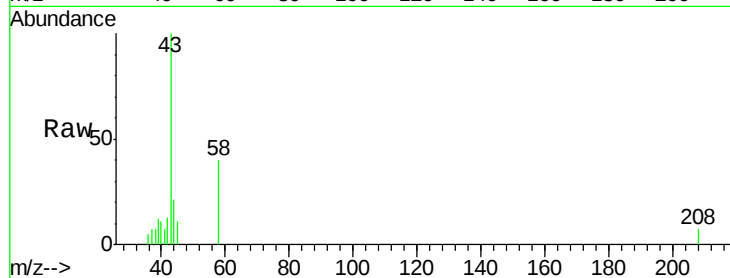
58 40.1 25.2 37.8#

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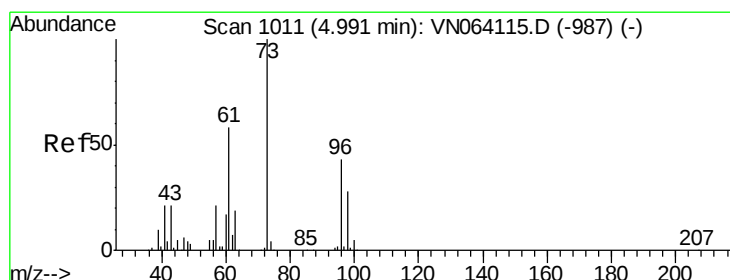
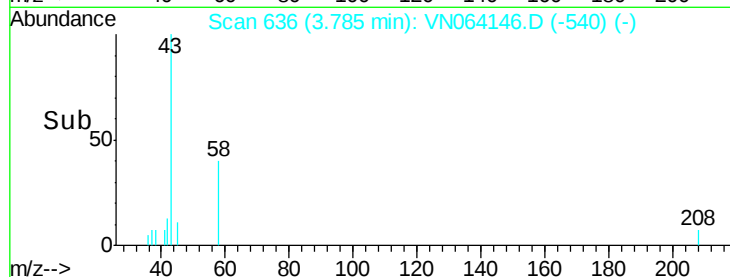
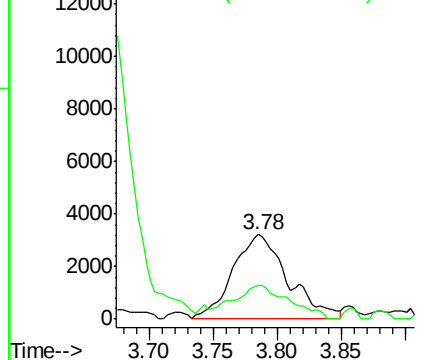
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#21

trans-1,2-Dichloroethene

Concen: 4.717 ug/l

RT: 4.99 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VN064146.D

Acq: 15 Oct 2020 16:19

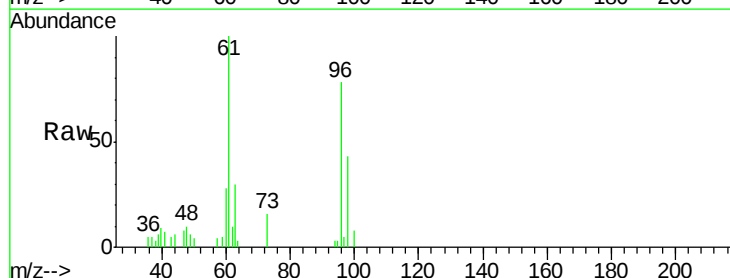
Tgt Ion: 96 Resp: 16835

Ion Ratio Lower Upper

96 100

61 128.5 107.0 160.4

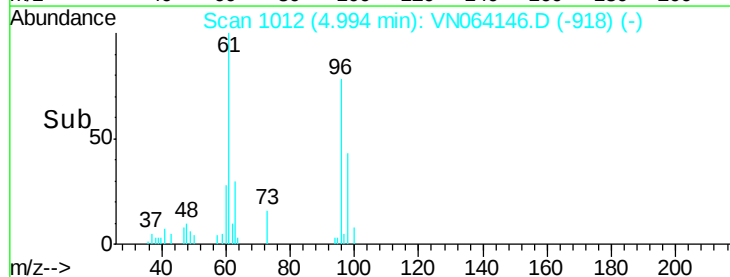
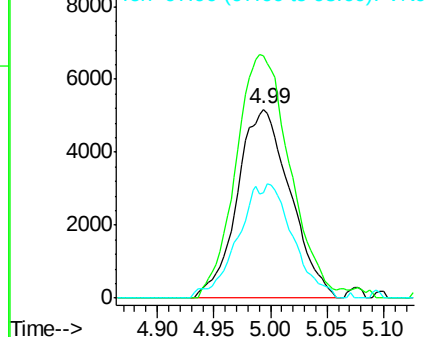
98 55.6 51.0 76.6

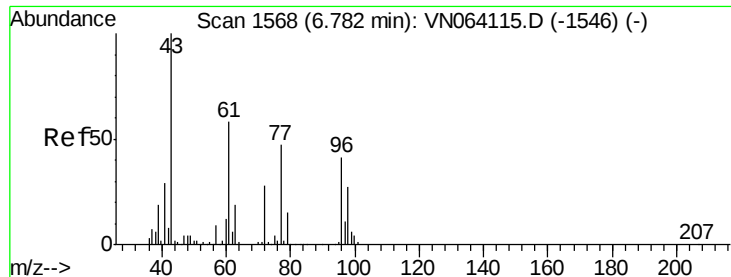


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 35.914 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN064146.D

Acq: 15 Oct 2020 16:19

Instrument :

MSVOA_N

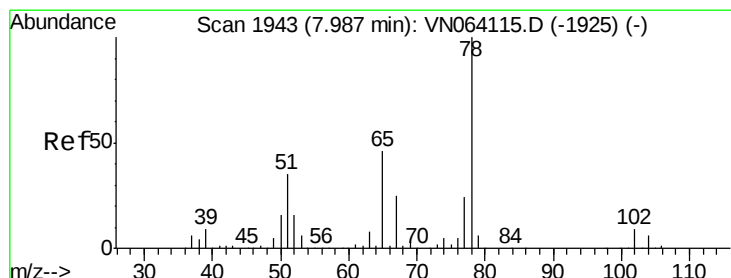
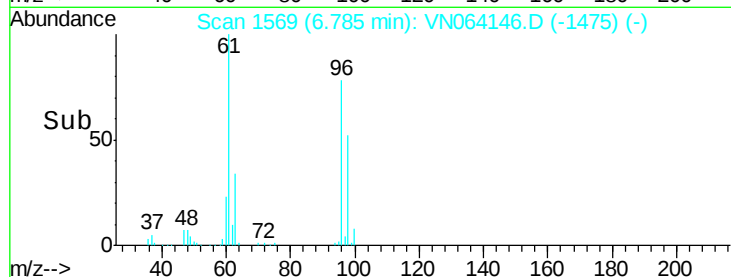
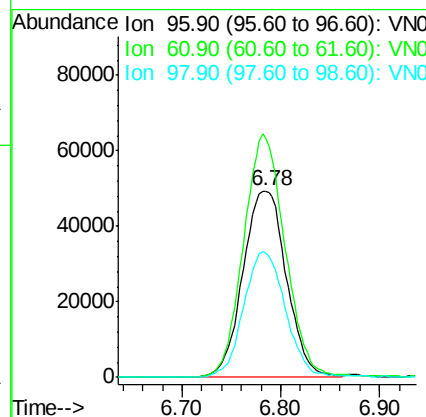
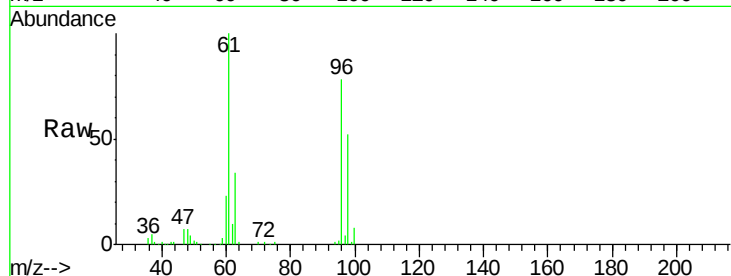
ClientSampleId :

PB-2020-WW-000-02

Tot Ion:	96	Resp:	150801
Ion Ratio	Lower	Upper	
96	100		
61	124.7	0.0	285.6
98	64.8	0.0	131.0

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#33

1,2-Dichloroethane-d4

Concen: 51.790 ug/l

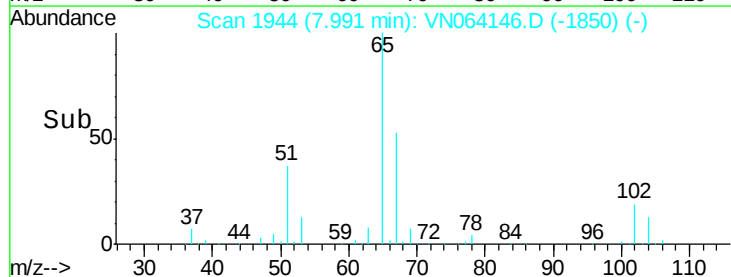
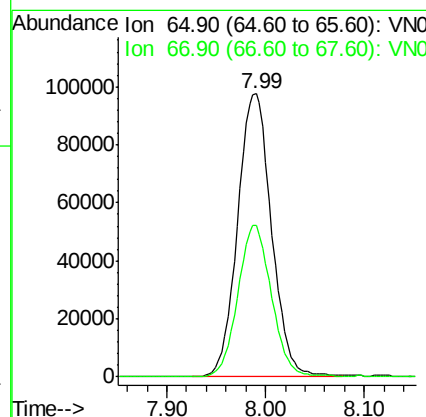
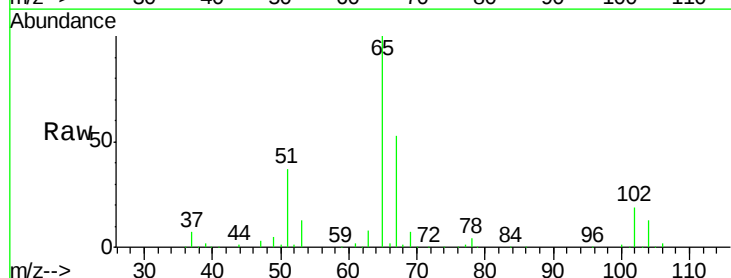
RT: 7.99 min Scan# 1944

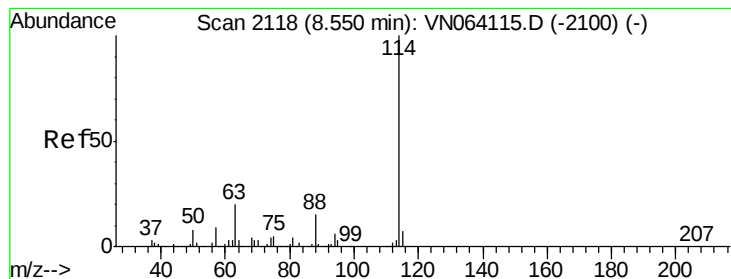
Delta R.T. 0.00 min

Lab File: VN064146.D

Acq: 15 Oct 2020 16:19

Tgt Ion:	65	Resp:	233150
Ion Ratio	Lower	Upper	
65	100		
67	52.8	0.0	105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064146.D

Acq: 15 Oct 2020 16:19

Instrument :

MSVOA_N

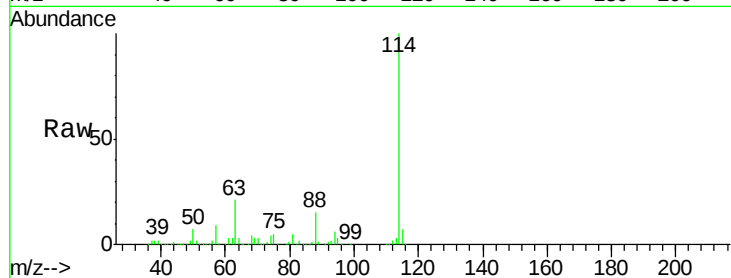
ClientSampleId :

PB-2020-WW-000-02

Tot Ion	Ratio	Resp	Lower	Upper
114	100	582433		
63	20.6		0.0	41.0
88	15.1		0.0	29.2

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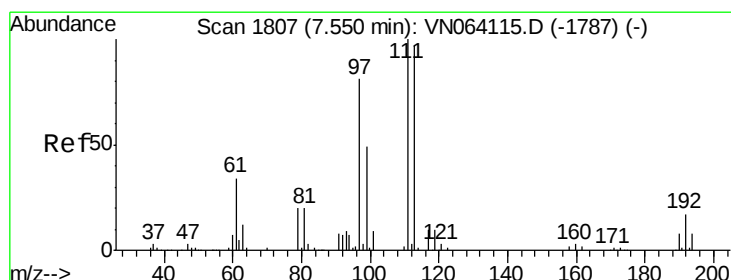
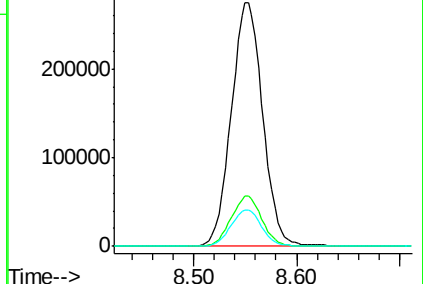
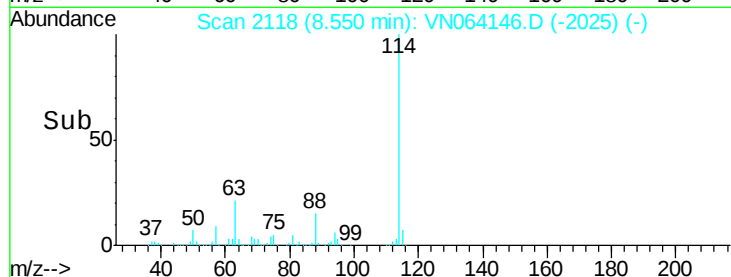
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Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 49.382 ug/l

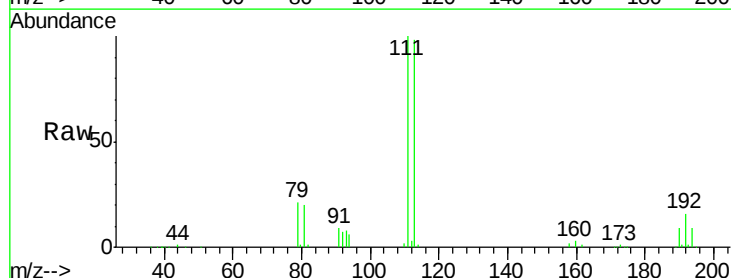
RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064146.D

Acq: 15 Oct 2020 16:19

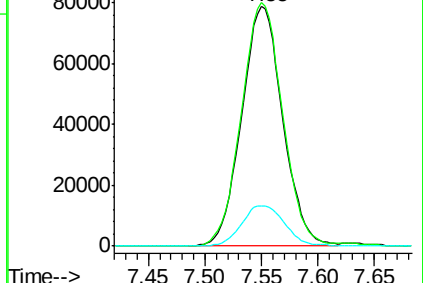
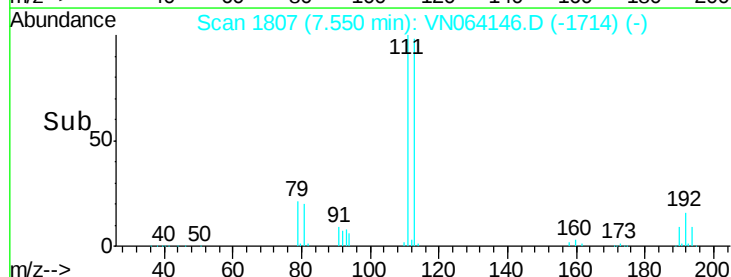
Tgt Ion	Ratio	Resp	Lower	Upper
113	100	199075		
111	102.3		81.9	122.9
192	17.7		14.3	21.5

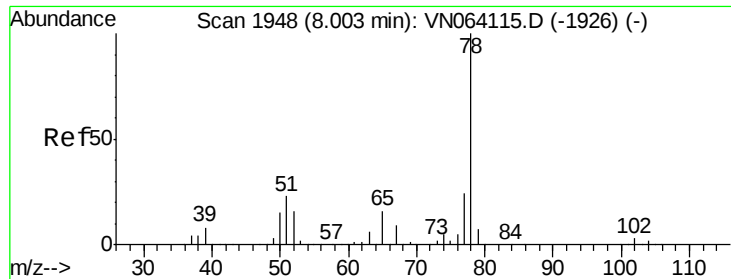


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 0.863 ug/l

RT: 8.01 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN064146.D

Acq: 15 Oct 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

PB-2020-WW-000-02

Tot Ion: 78 Resp: 14668

Ion Ratio Lower Upper

78 100

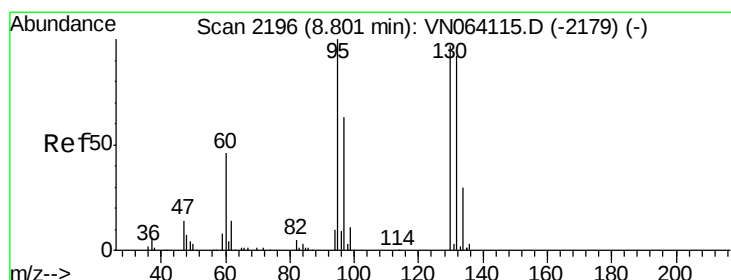
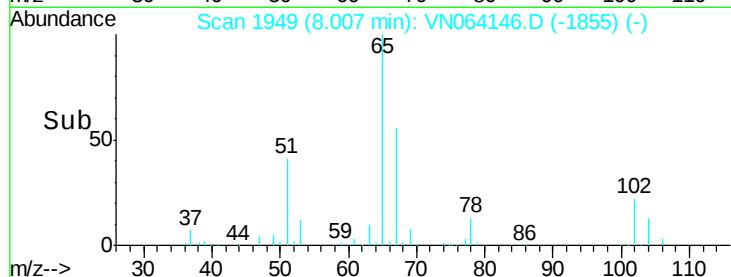
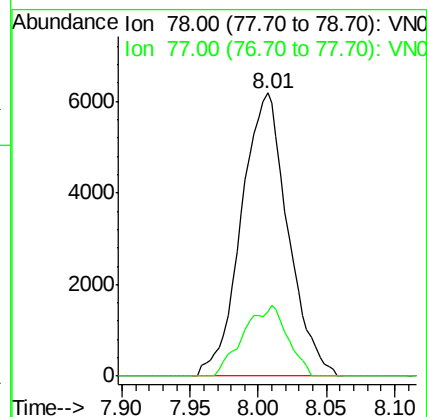
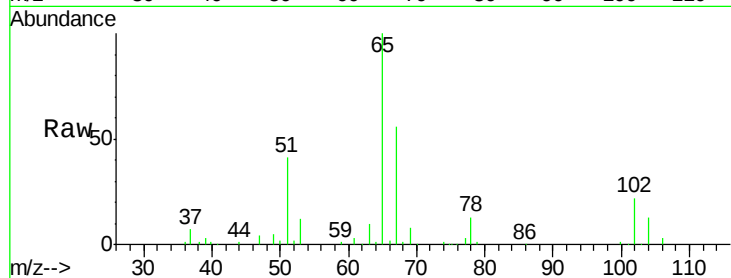
77 22.6 19.3 28.9

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#44

Trichloroethene

Concen: 62.707 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN064146.D

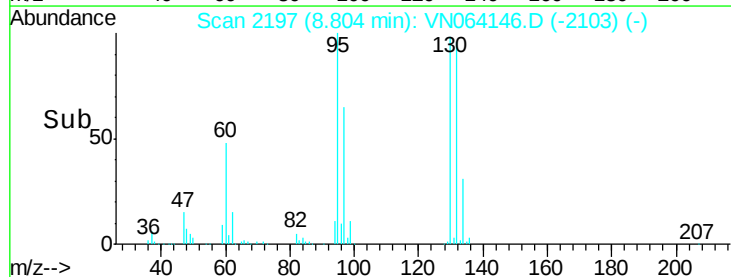
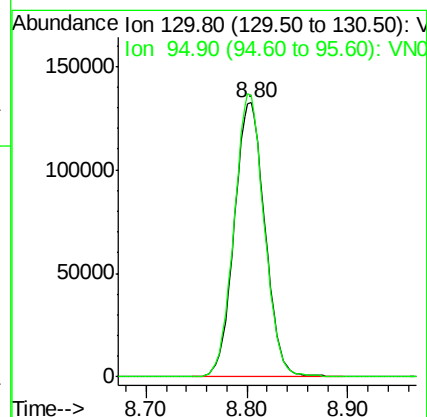
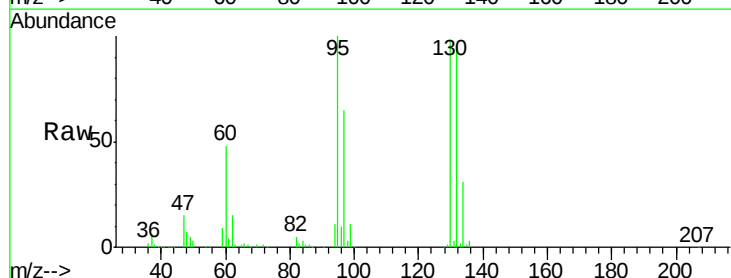
Acq: 15 Oct 2020 16:19

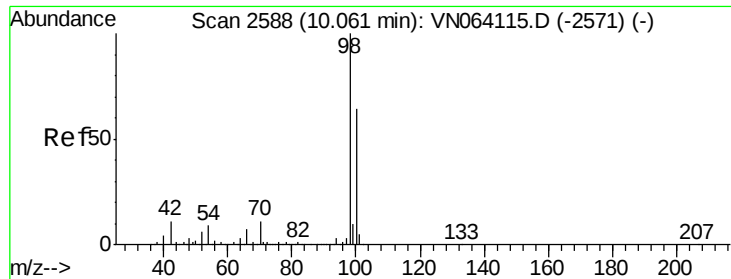
Tgt Ion: 130 Resp: 280322

Ion Ratio Lower Upper

130 100

95 102.3 0.0 206.2





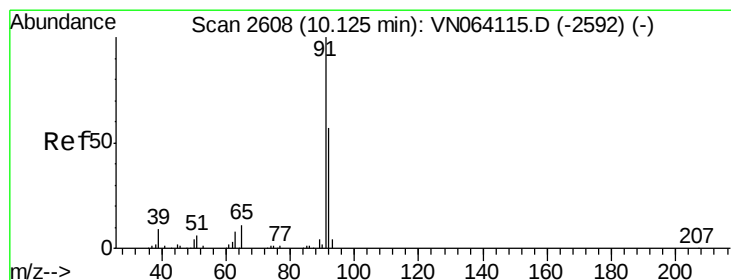
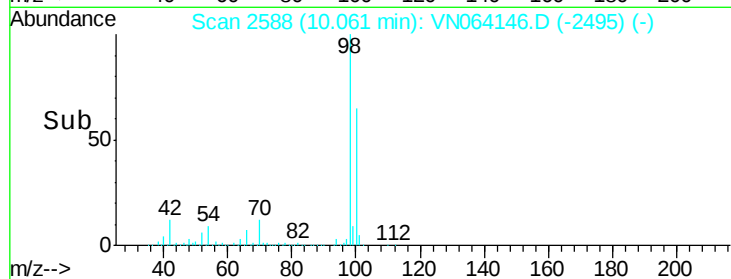
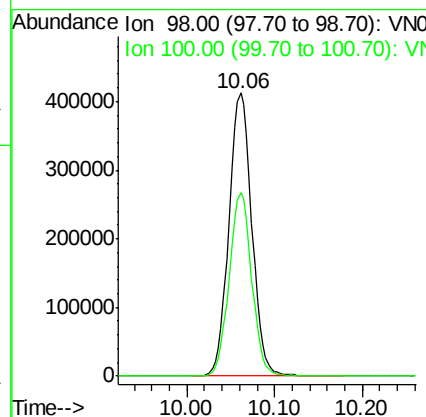
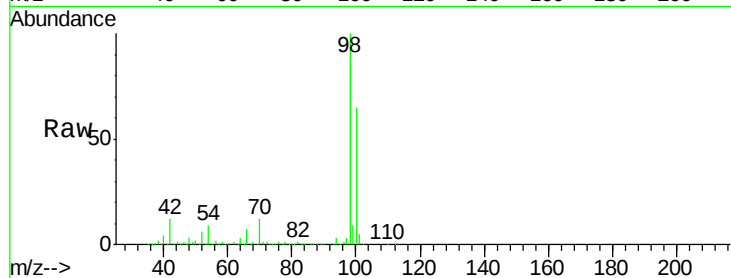
#50
Toluene-d8
Concen: 49.520 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064146.D
Acq: 15 Oct 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
PB-2020-WW-000-02

Tot Ion: 98 Resp: 753233
Ion Ratio Lower Upper
98 100
100 63.1 50.8 76.2

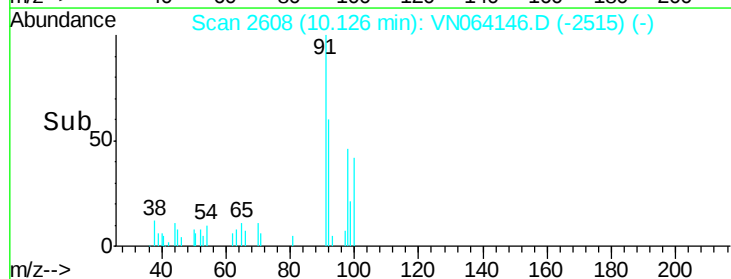
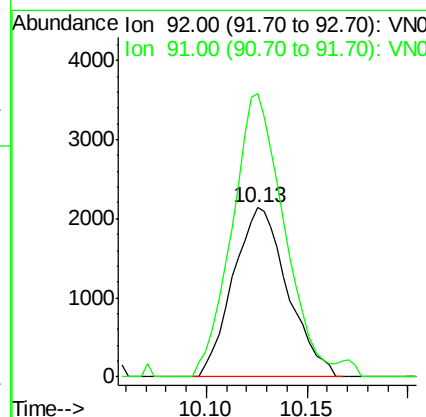
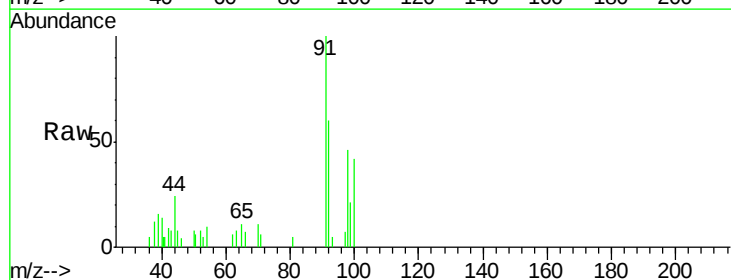
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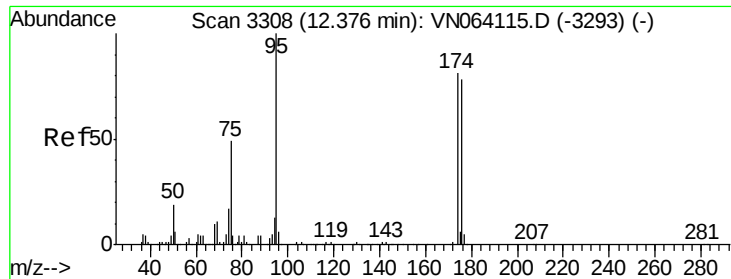
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#52
Toluene
Concen: 0.387 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN064146.D
Acq: 15 Oct 2020 16:19

Tgt Ion: 92 Resp: 4038
Ion Ratio Lower Upper
92 100
91 159.2 141.2 211.8





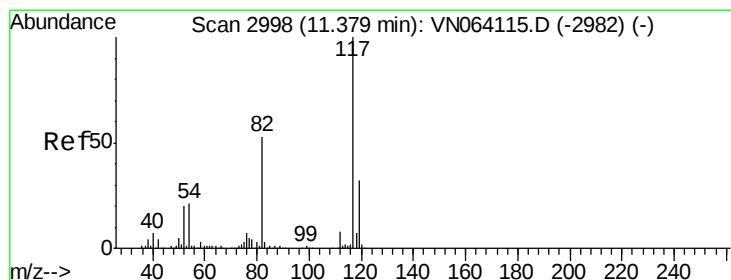
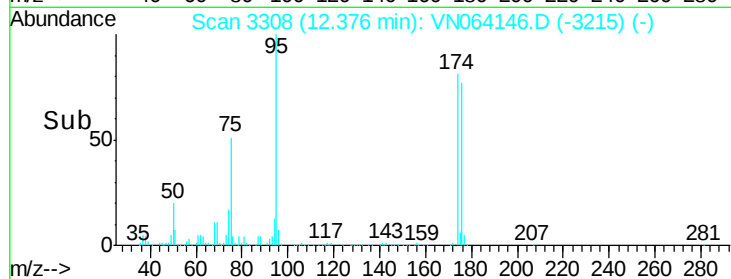
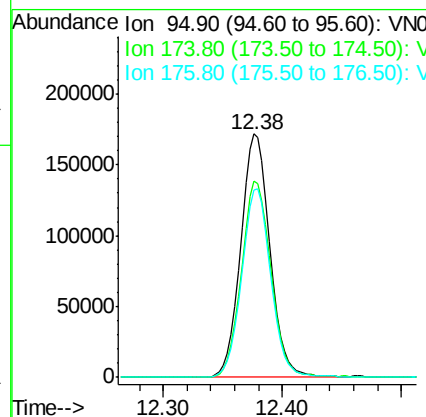
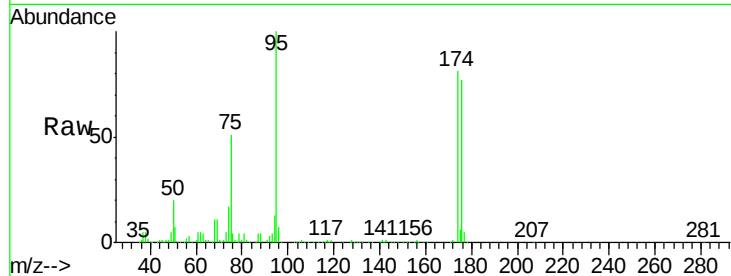
#62
4-Bromofluorobenzene
Concen: 55.609 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064146.D
Acq: 15 Oct 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
PB-2020-WW-000-02

Tot Ion	Ratio	Resp	Lower	Upper
95	100	290743		
174	81.7	0.0	164.8	
176	77.6	0.0	157.8	

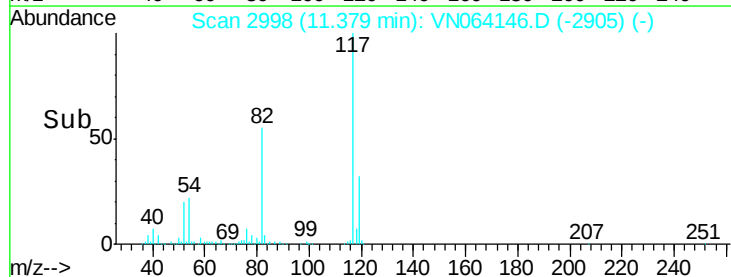
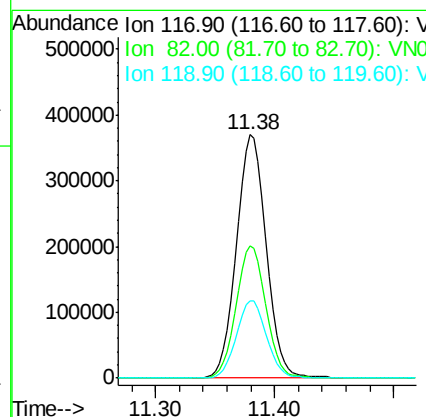
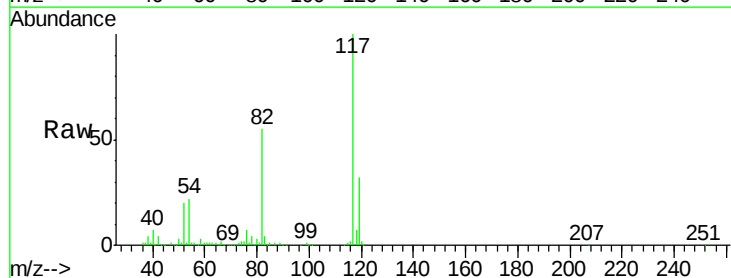
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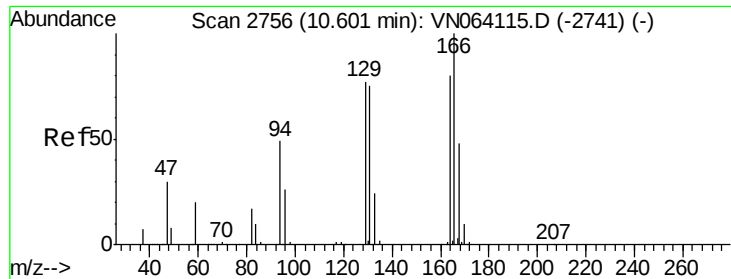
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064146.D
Acq: 15 Oct 2020 16:19

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	642045		
82	54.6	42.6	63.8	
119	32.0	25.5	38.3	





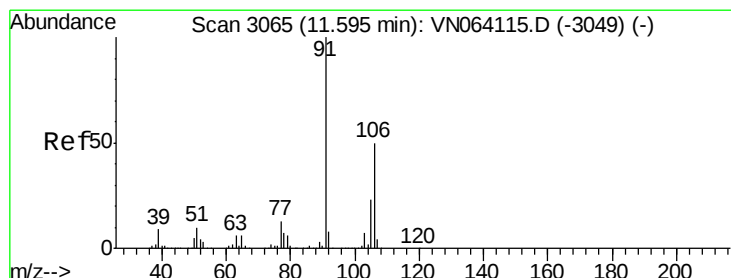
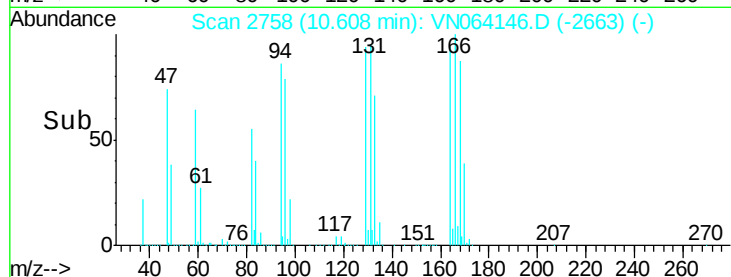
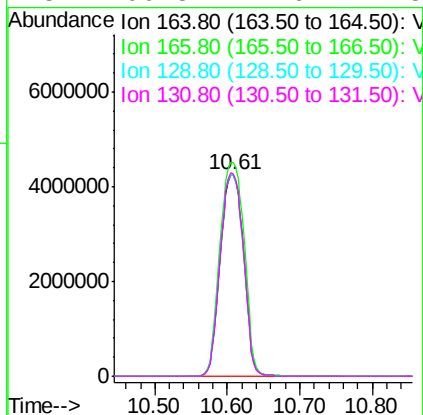
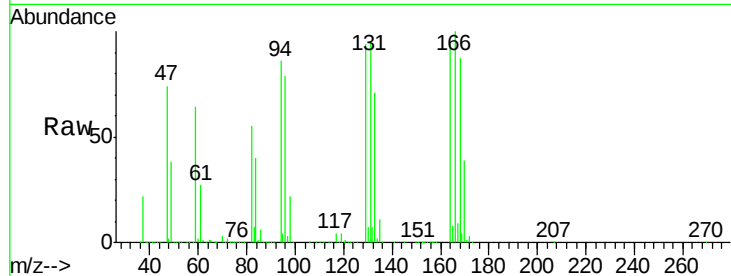
#64
Tetrachloroethene
Concen: 1959.449 ug/l
RT: 10.61 min Scan# 2758
Delta R.T. 0.01 min
Lab File: VN064146.D
Acq: 15 Oct 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
PB-2020-WW-000-02

Tot Ion	Ratio	Lower	Upper
164	100		
166	106.3	99.7	149.5
129	100.0	77.0	115.4
131	100.8	74.6	111.8

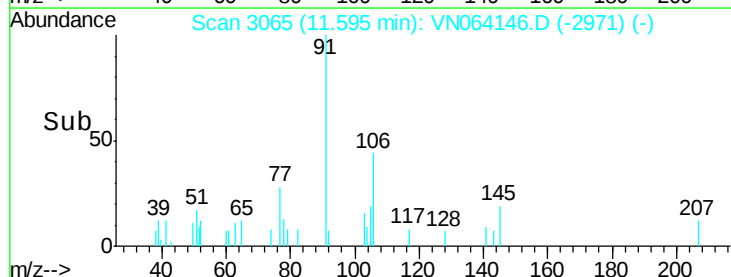
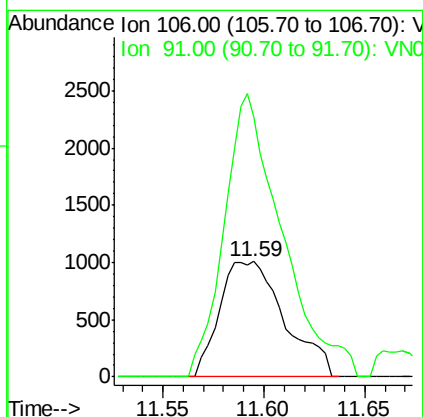
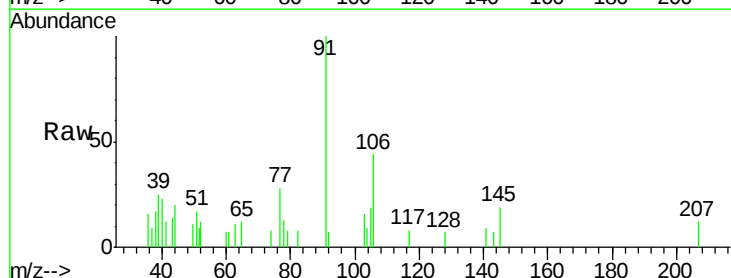
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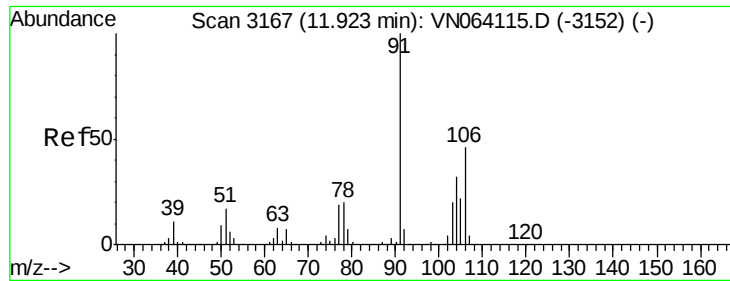
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#68
m/p-Xylenes
Concen: 2.429 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064146.D
Acq: 15 Oct 2020 16:19

Tgt Ion	Ratio	Lower	Upper
106	100		
91	219.0	162.1	243.1





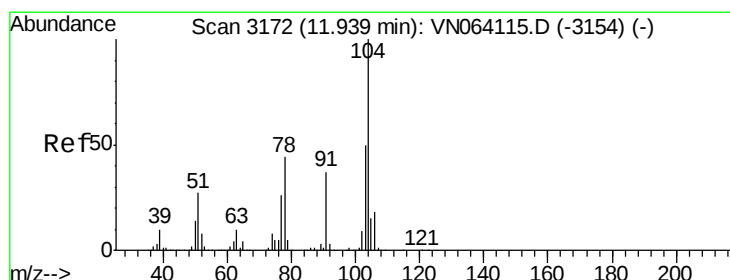
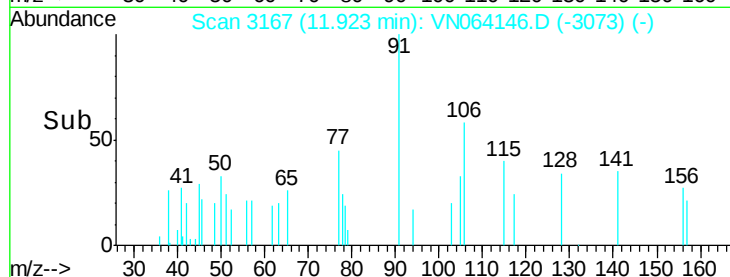
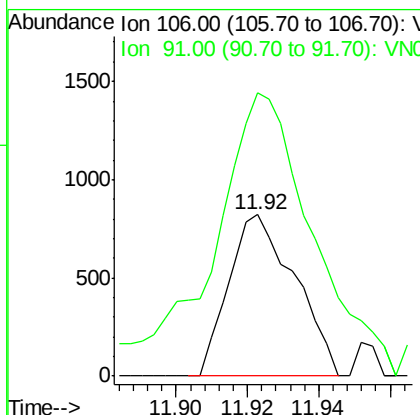
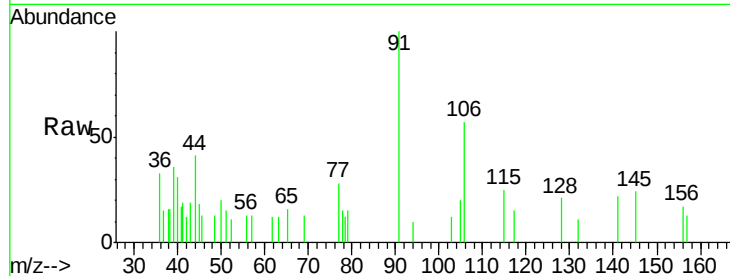
#69
o-Xylene
Concen: 1.697 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064146.D
Acq: 15 Oct 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
PB-2020-WW-000-02

Tot Ion:106 Resp: 1054
Ion Ratio Lower Upper
106 100
91 265.4 107.6 322.8

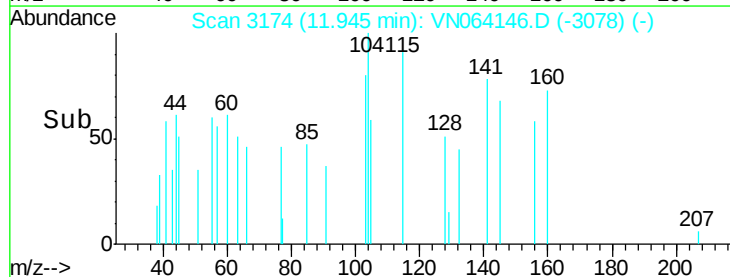
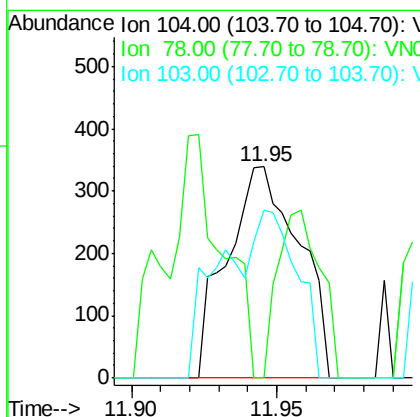
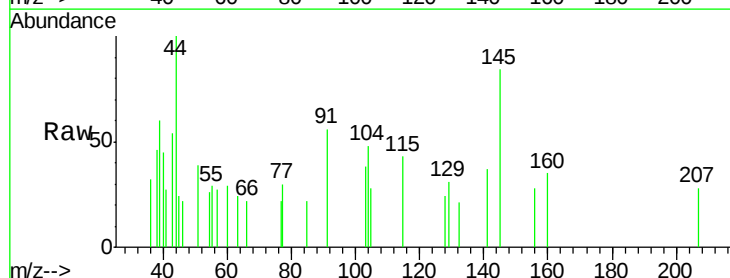
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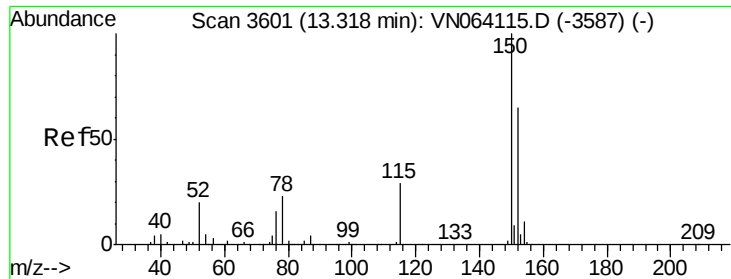
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#70
Styrene
Concen: 2.073 ug/l
RT: 11.95 min Scan# 3174
Delta R.T. 0.01 min
Lab File: VN064146.D
Acq: 15 Oct 2020 16:19

Tgt Ion:104 Resp: 585
Ion Ratio Lower Upper
104 100
78 47.0 39.7 59.5
103 48.9 44.2 66.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064146.D

Acq: 15 Oct 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

PB-2020-WW-000-02

Tot Ion:152 Resp: 263080

Ion Ratio Lower Upper

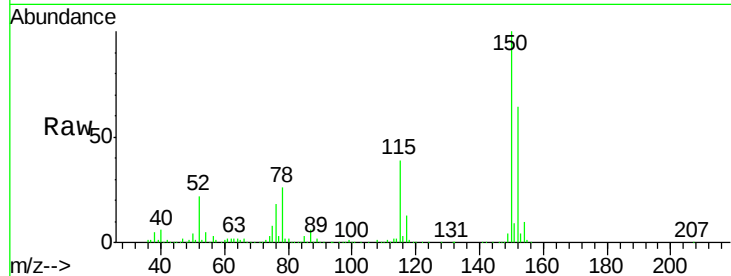
152 100

115 61.4 29.3 87.8

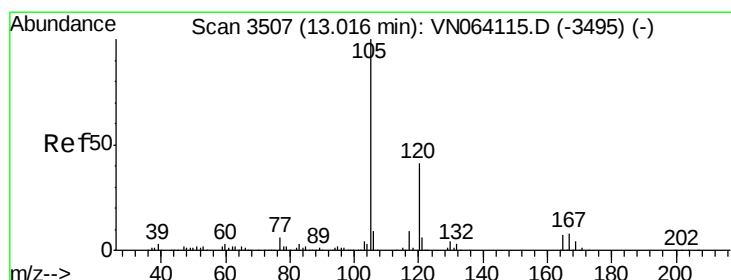
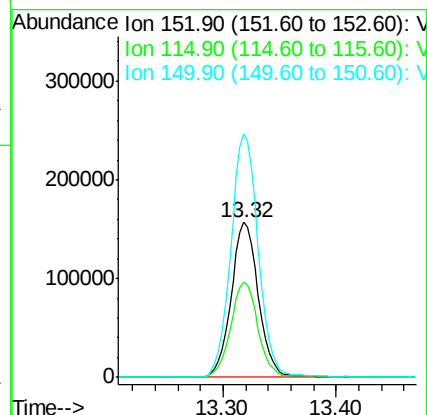
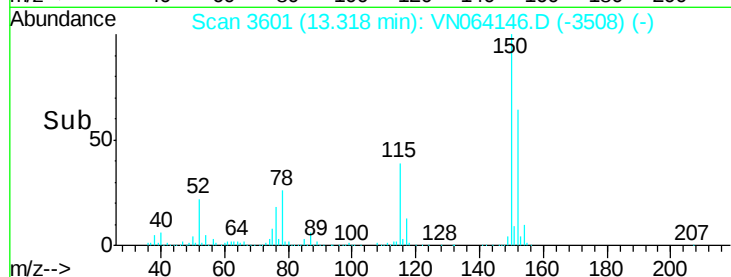
150 158.1 0.0 346.0

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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#84

1,2,4-Trimethylbenzene

Concen: 0.499 ug/l

RT: 13.02 min Scan# 3508

Delta R.T. 0.00 min

Lab File: VN064146.D

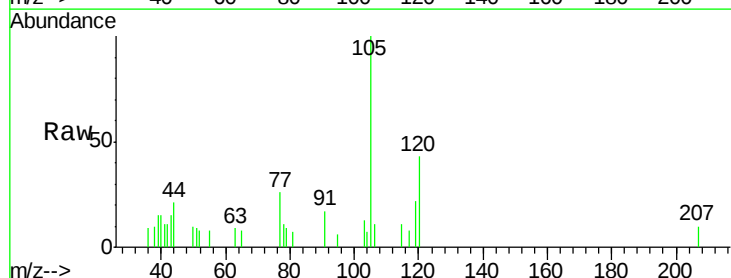
Acq: 15 Oct 2020 16:19

Tgt Ion:105 Resp: 5033

Ion Ratio Lower Upper

105 100

120 40.0 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

