

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100119\
 Data File : VN058471.D
 Acq On : 1 Oct 2019 18:53
 Operator : JC/SP
 Sample : K5110-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

Manual Integrations
 APPROVED

MMDadoda
 10/3/2019 12:36:04 PM

Quant Time: Oct 02 07:36:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	344132	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	554401	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	467450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	175561	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	248112	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
35) Dibromofluoromethane	7.57	113	177403	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	
50) Toluene-d8	10.09	98	705217	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	
62) 4-Bromofluorobenzene	12.41	95	216652	45.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.02%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.04	50	3370	0.812	ug/l	99
4) Vinyl Chloride	2.17	62	110710	27.243	ug/l	99
6) Chloroethane	2.69	64	120235	49.379	ug/l	98
11) Tert butyl alcohol	4.76	59	10356	18.537	ug/l #	81
12) 1,1-Dichloroethene	3.72	96	491801	151.493	ug/l	99
16) Acetone	3.80	43	55408	32.321	ug/l	99
20) Methylene Chloride	4.53	84	3969m	1.003	ug/l	
24) 1,1-Dichloroethane	5.83	63	289520	40.464	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	84394	20.002	ug/l	91
32) 1,1,1-Trichloroethane	7.56	97	3585m	0.602	ug/l	
39) Methylcyclohexane	9.08	83	3782	0.611	ug/l	88
40) Benzene	8.03	78	13931	0.914	ug/l	97
42) 1,2-Dichloroethane	8.11	62	49813	8.402	ug/l	99
44) Trichloroethene	8.83	130	6577	1.748	ug/l	96
49) 1,4-Dioxane	9.19	88	215805	4193.731	ug/l #	92
64) Tetrachloroethene	10.63	164	17315	5.830	ug/l	98
73) Isopropylbenzene	12.26	105	2927m	0.226	ug/l	
83) tert-Butylbenzene	13.00	119	2924	0.319	ug/l	100
85) sec-Butylbenzene	13.18	105	6147	0.510	ug/l	80

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

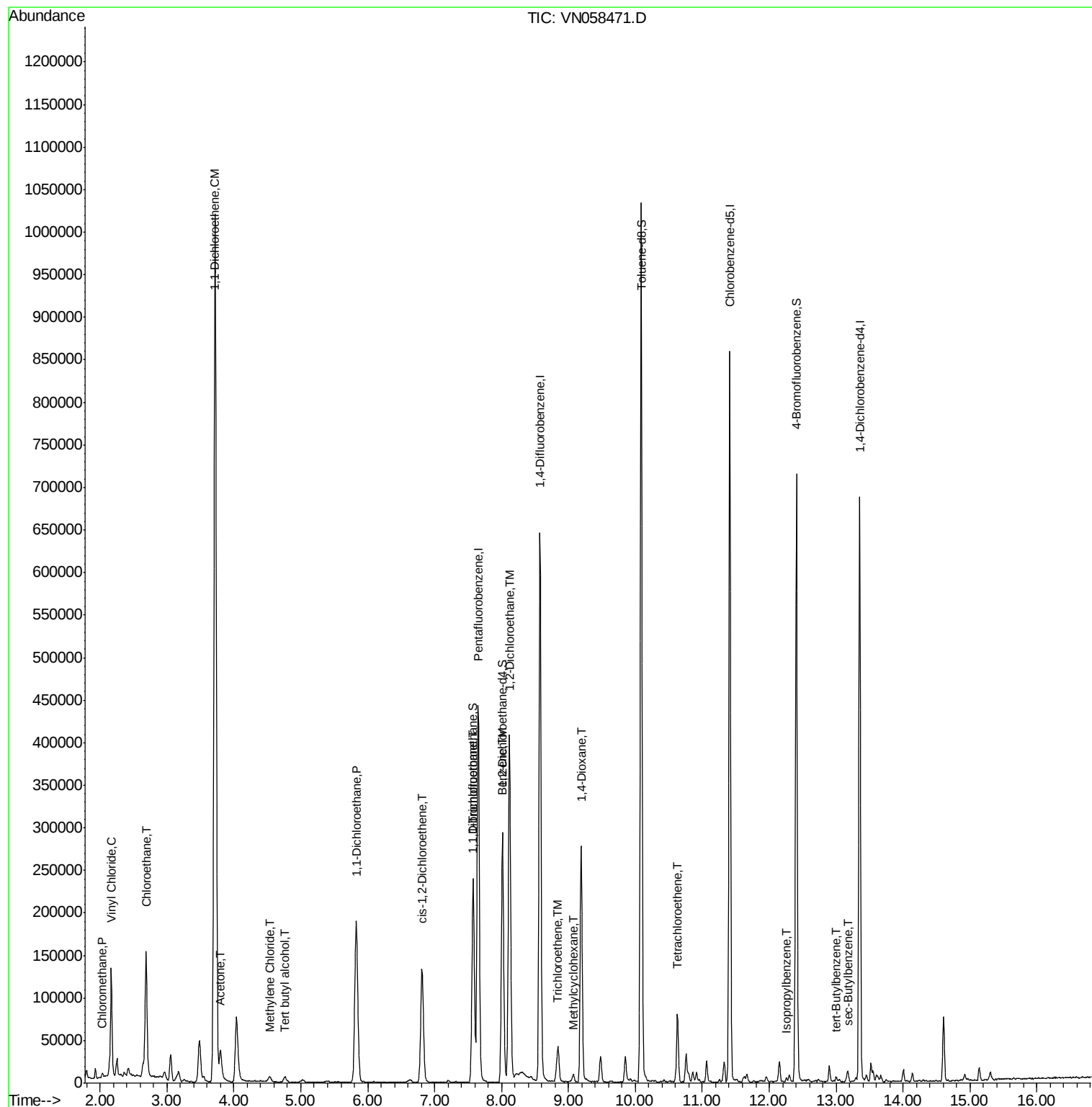
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100119\
Data File : VN058471.D
Acq On : 1 Oct 2019 18:53
Operator : JC/SP
Sample : K5110-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 24 Sample Multiplier: 1

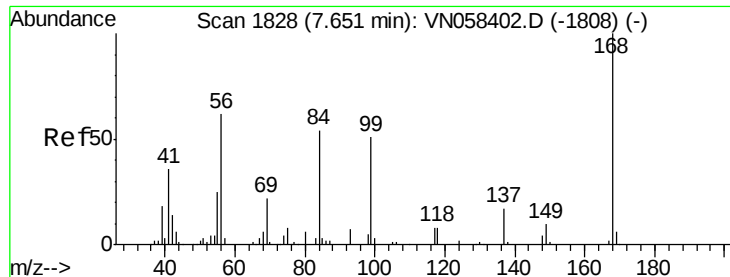
Instrument :
MSVOA_N
ClientSampleId :
MW-1

Manual Integrations
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Quant Time: Oct 02 07:36:27 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 30 08:07:38 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN058471.D

Acq: 1 Oct 2019 18:53

Instrument :

MSVOA_N

ClientSampled :

MW-1

Tot Ion:168 Resp: 344132

Ion Ratio Lower Upper

168 100

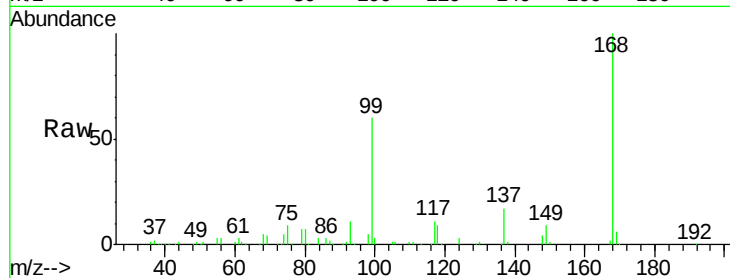
99 59.6 47.7 71.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

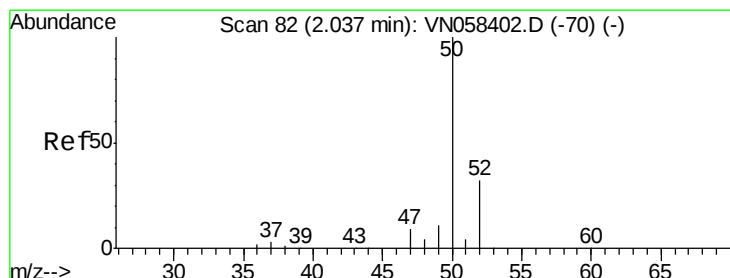
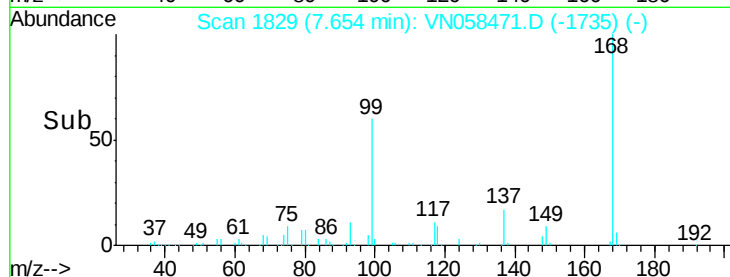
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.812 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058471.D

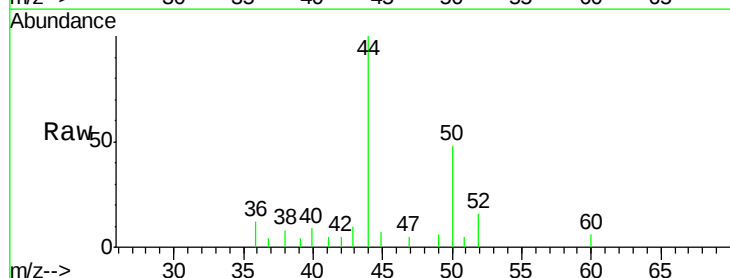
Acq: 1 Oct 2019 18:53

Tgt Ion: 50 Resp: 3370

Ion Ratio Lower Upper

50 100

52 33.1 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

2500

2000

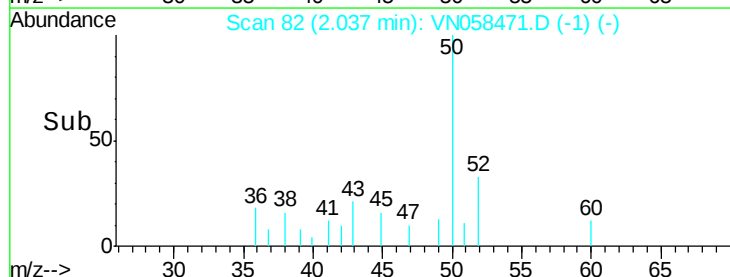
1500

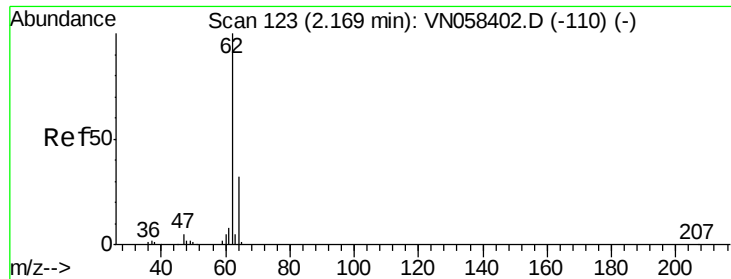
1000

500

0

Time-->





#4

Vinyl Chloride

Concen: 27.243 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058471.D

Acq: 1 Oct 2019 18:53

Instrument :

MSVOA_N

ClientSampled :

MW-1

Tot Ion: 62 Resp: 110710

Ion Ratio Lower Upper

62 100

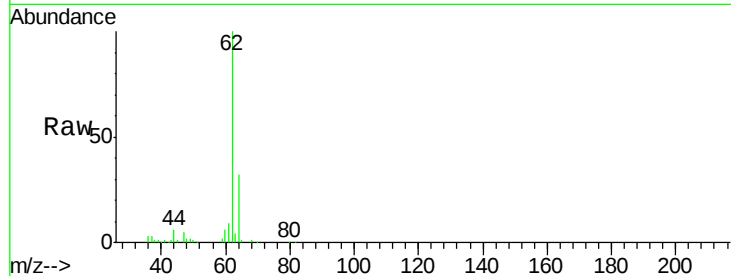
64 32.3 25.5 38.3

Manual Integrations

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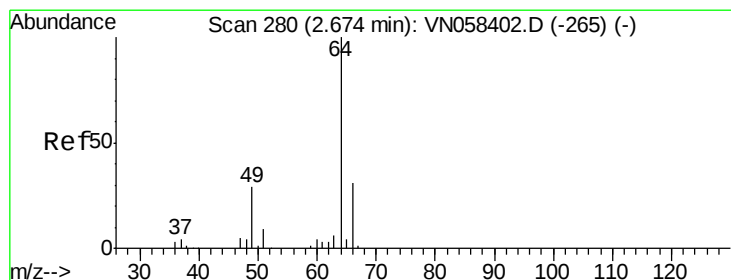
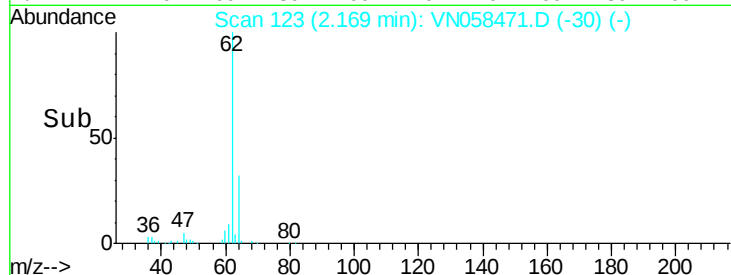
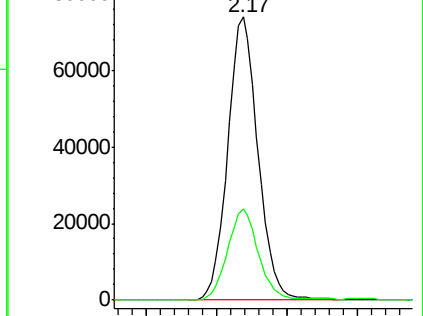
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Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO



#6

Chloroethane

Concen: 49.379 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.02 min

Lab File: VN058471.D

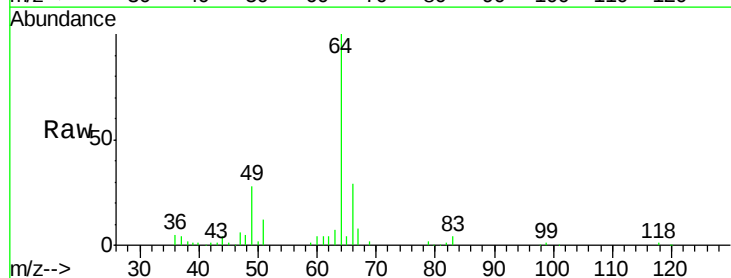
Acq: 1 Oct 2019 18:53

Tgt Ion: 64 Resp: 120235

Ion Ratio Lower Upper

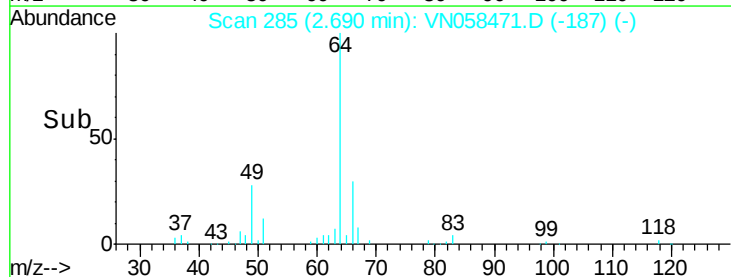
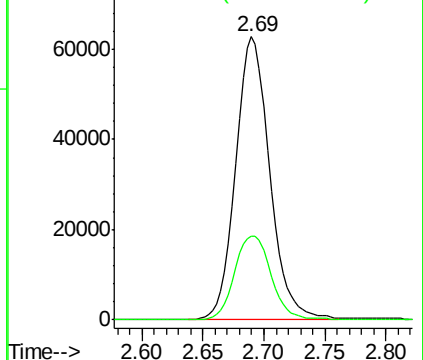
64 100

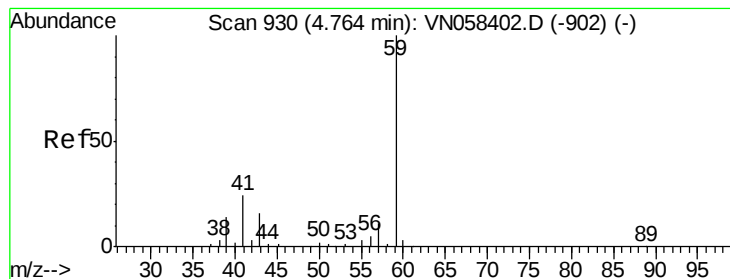
66 29.5 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#11

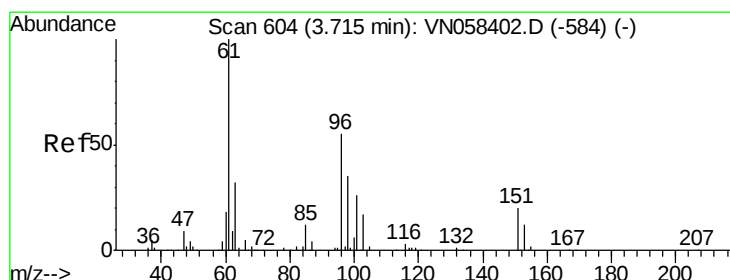
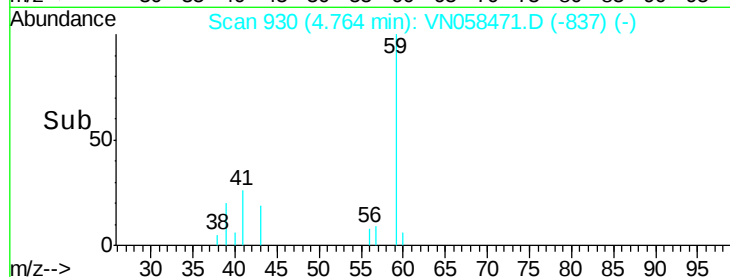
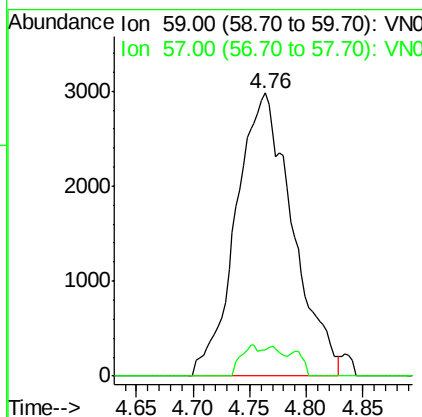
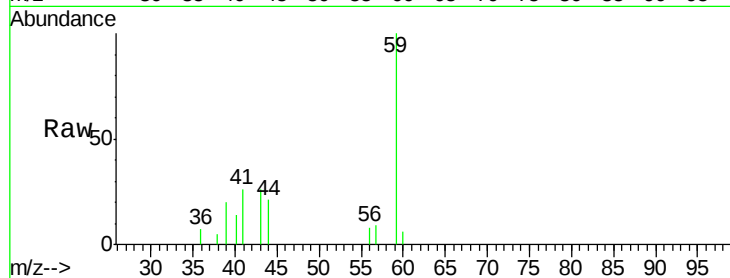
Tert butyl alcohol
Concen: 18.537 ug/l
RT: 4.76 min Scan# 930
Delta R.T. 0.00 min
Lab File: VN058471.D
Acq: 1 Oct 2019 18:53

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tot Ion	Ratio	Lower	Upper
59	100		
57	3.9	9.0	13.4#

Manual Integrations
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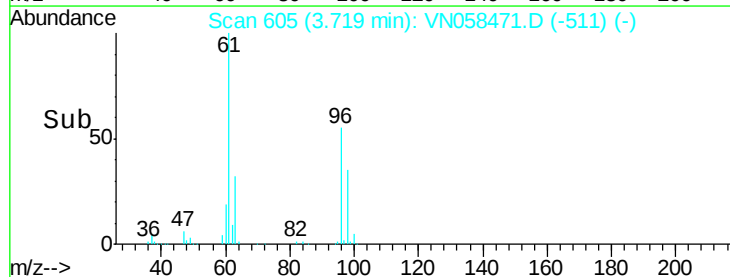
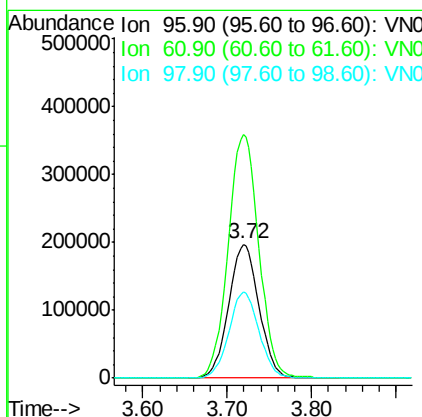
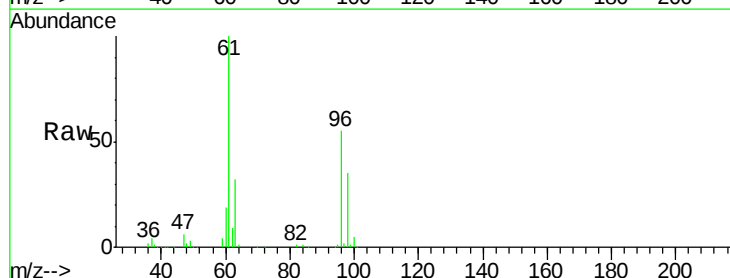
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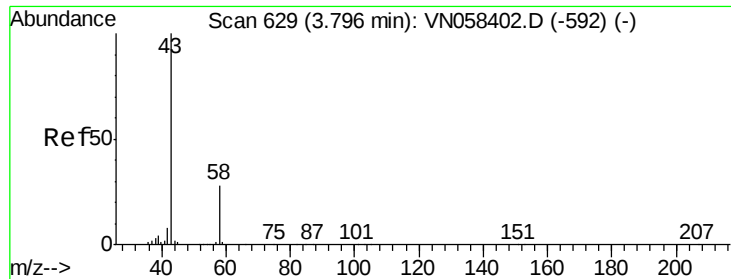


#12

1,1-Dichloroethene
Concen: 151.493 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN058471.D
Acq: 1 Oct 2019 18:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	182.1	146.7	220.1
98	64.2	51.3	76.9





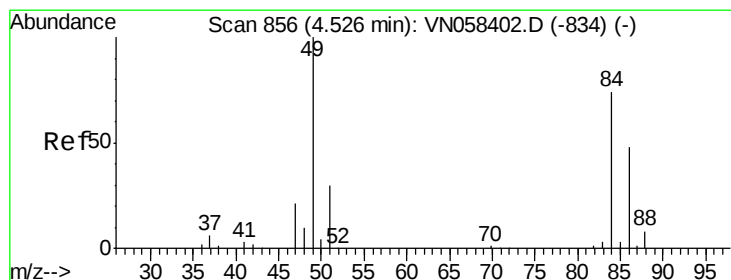
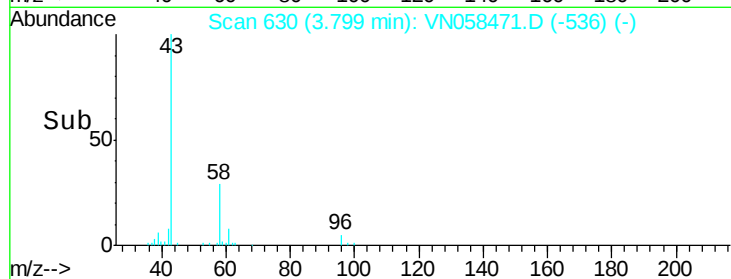
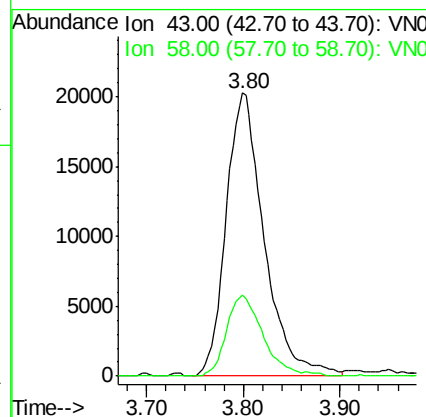
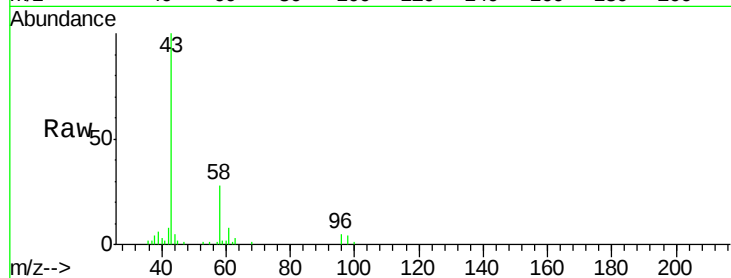
#16
Acetone
Concen: 32.321 ug/l
RT: 3.80 min Scan# 630
Delta R.T. 0.00 min
Lab File: VN058471.D
Acq: 1 Oct 2019 18:53

Instrument :
MSVOA_N
ClientSampled :
MW-1

Tot Ion: 43 Resp: 55408
Ion Ratio Lower Upper
43 100
58 28.5 22.4 33.6

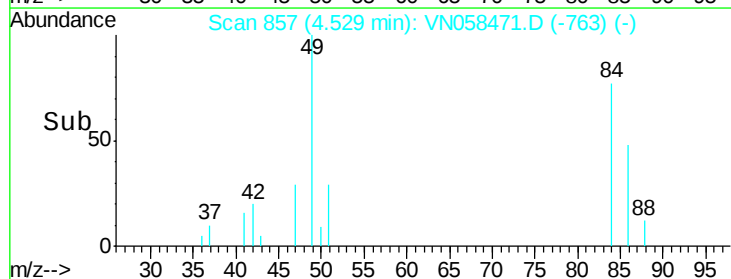
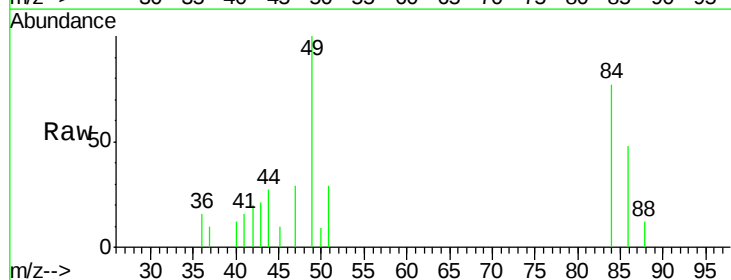
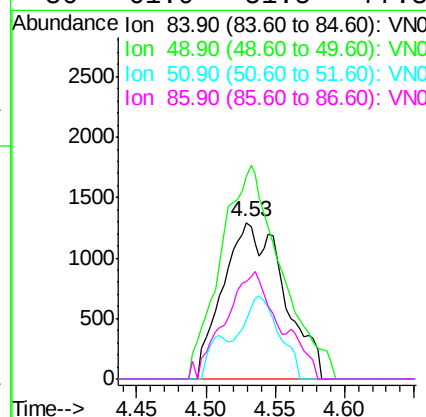
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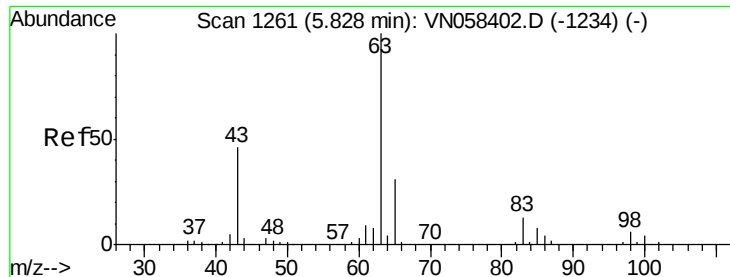
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#20
Methylene Chloride
Concen: 1.003 ug/l m
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058471.D
Acq: 1 Oct 2019 18:53

Tgt Ion: 84 Resp: 3969
Ion Ratio Lower Upper
84 100
49 129.2 107.9 161.9
51 37.5 32.8 49.2
86 61.9 51.5 77.3





#24

1,1-Dichloroethane

Concen: 40.464 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058471.D

Acq: 1 Oct 2019 18:53

Instrument :

MSVOA_N

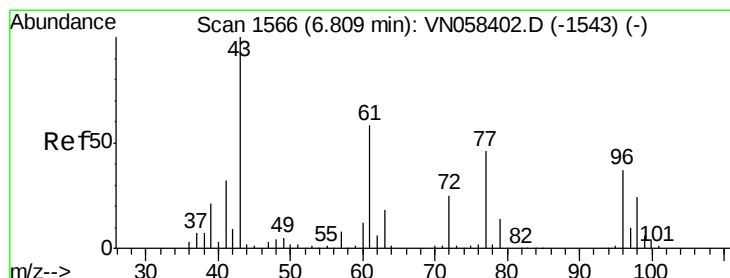
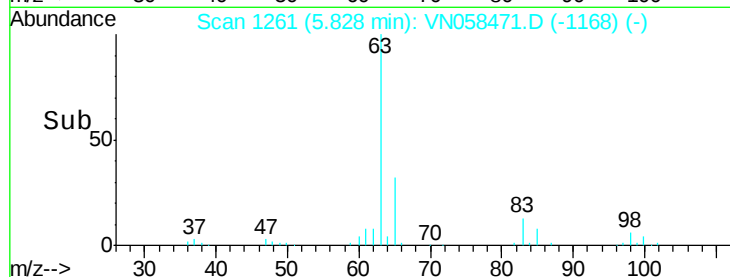
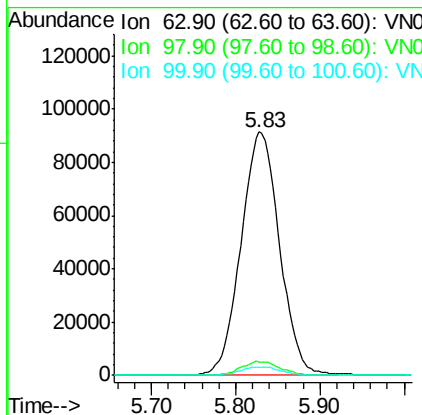
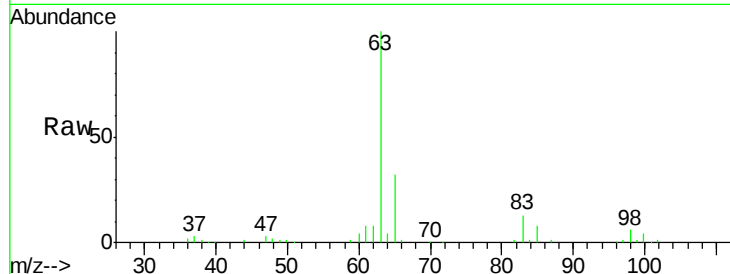
ClientSampled :

MW-1

Tot Ion	63	Resp	289520
Ion	Ratio	Lower	Upper
63	100		
98	5.7	3.0	9.0
100	3.5	2.0	5.8

Manual Integrations
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#27

cis-1,2-Dichloroethene

Concen: 20.002 ug/l

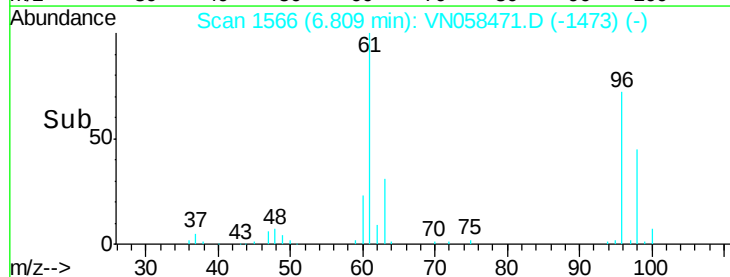
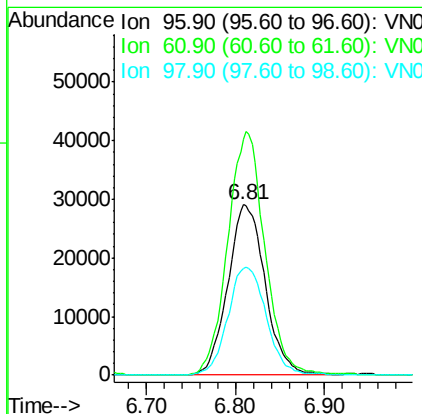
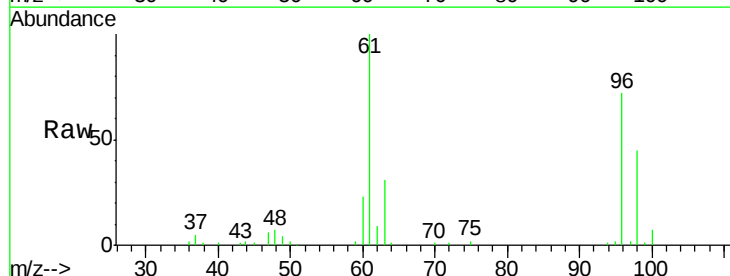
RT: 6.81 min Scan# 1566

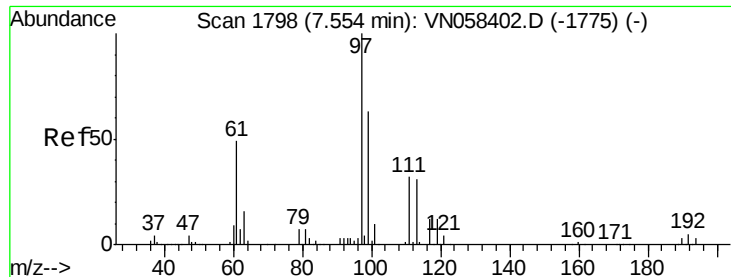
Delta R.T. 0.00 min

Lab File: VN058471.D

Acq: 1 Oct 2019 18:53

Tgt Ion	96	Resp	84394
Ion	Ratio	Lower	Upper
96	100		
61	142.0	0.0	318.8
98	64.7	0.0	129.8





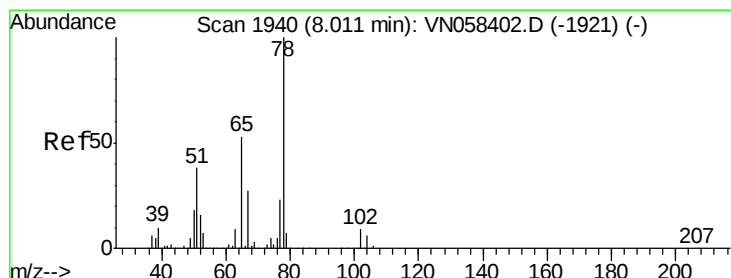
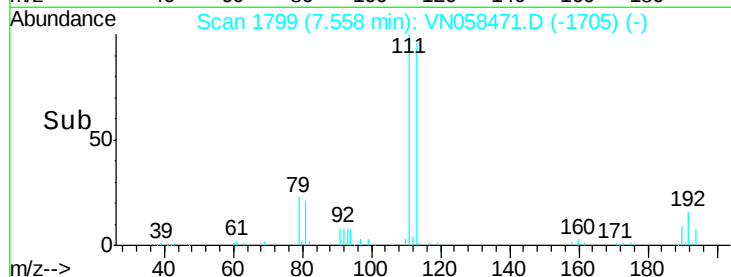
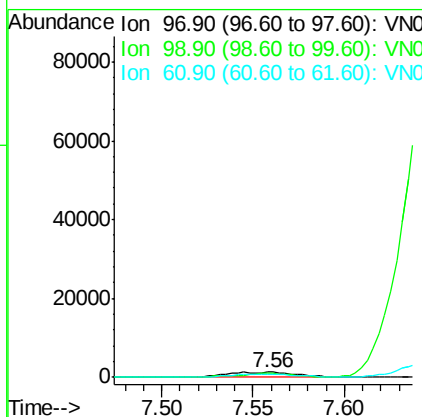
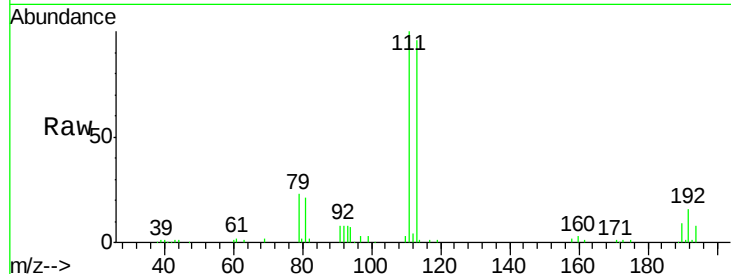
#32
 1,1,1-Trichloroethane
 Concen: 0.602 ug/l m
 RT: 7.56 min Scan# 1799
 Delta R.T. 0.00 min
 Lab File: VN058471.D
 Acq: 1 Oct 2019 18:53

Instrument :
 MSVOA_N
 ClientSampled :
 MW-1

Tot Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.1	76.7#
61	23.8	39.2	58.8#

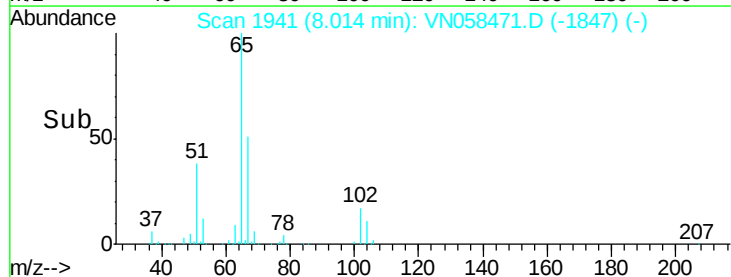
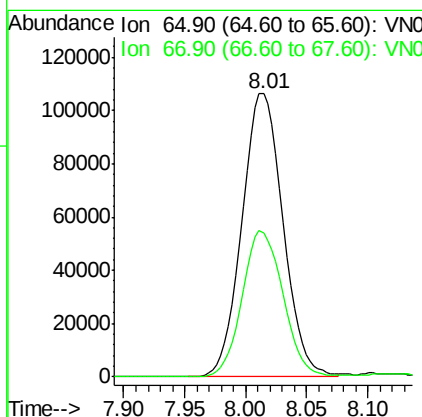
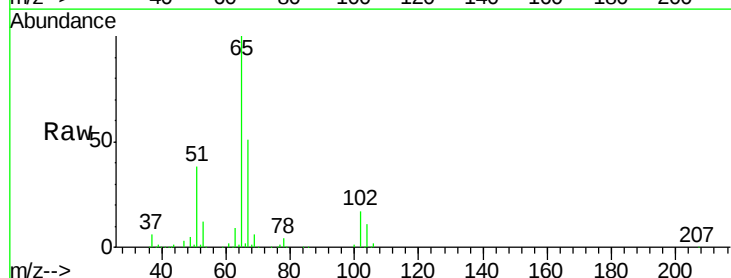
Manual Integrations
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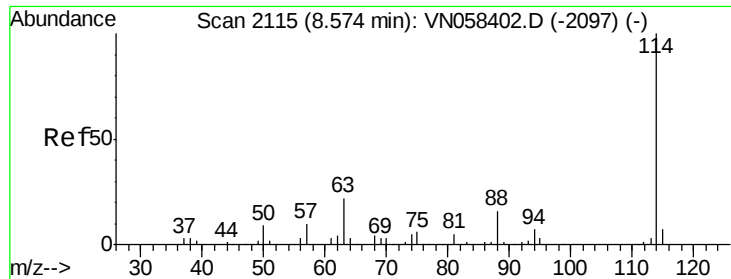
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#33
 1,2-Dichloroethane-d4
 Concen: 49.337 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058471.D
 Acq: 1 Oct 2019 18:53

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	102.4





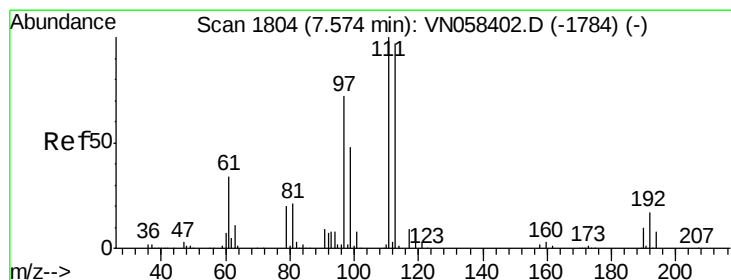
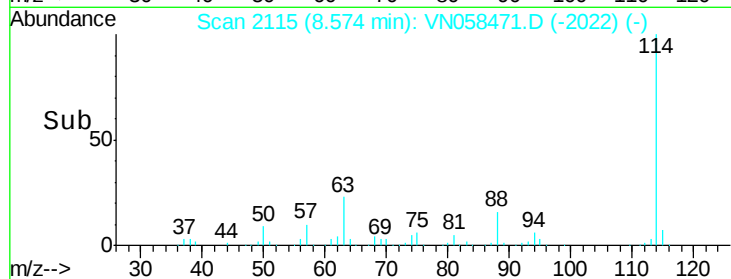
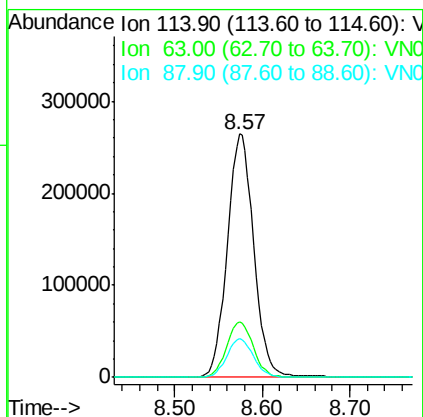
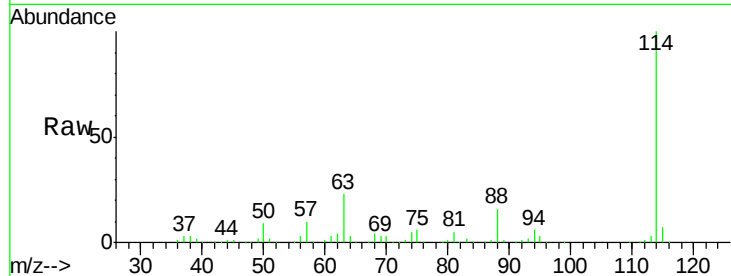
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058471.D
 Acq: 1 Oct 2019 18:53

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	22.8	0.0	45.0
88	15.8	0.0	32.2

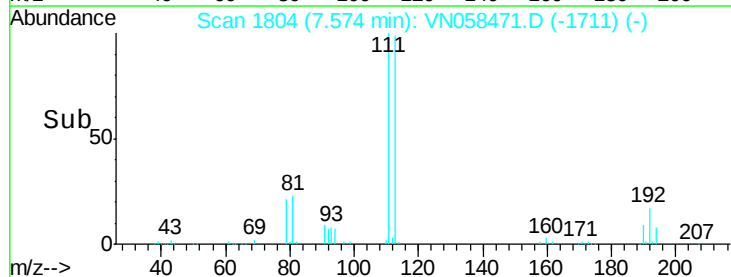
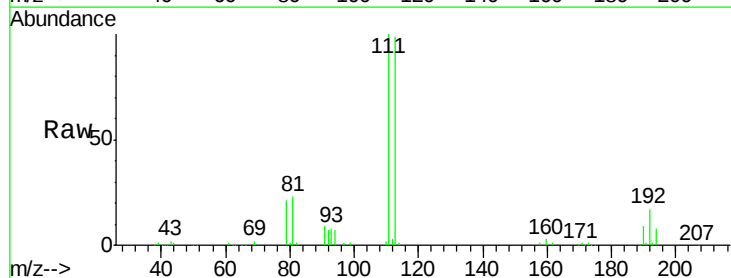
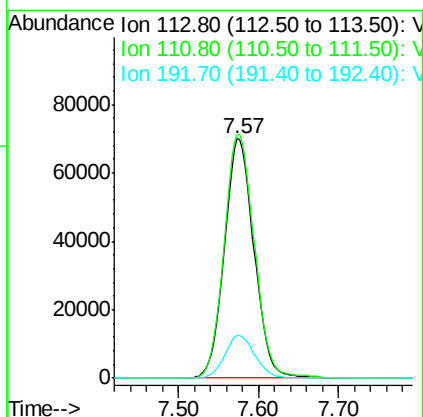
Manual Integrations
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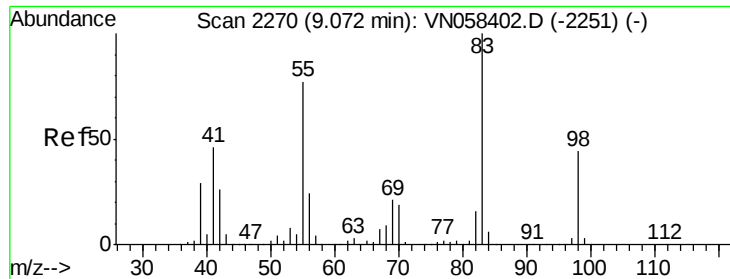
MMDadoda
 10/3/2019 12:36:04 PM



#35
 Dibromofluoromethane
 Concen: 52.210 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058471.D
 Acq: 1 Oct 2019 18:53

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	104.2	83.4	125.2
192	18.0	14.9	22.3





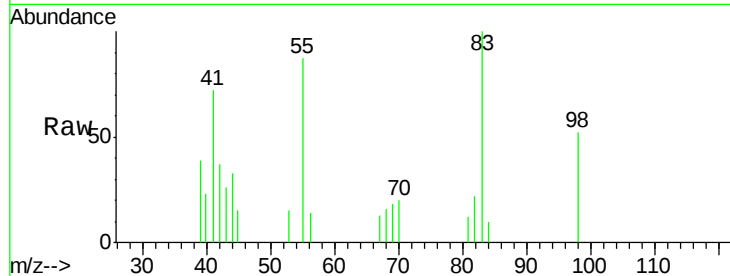
#39
Methvlcvclohexane
Concen: 0.611 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN058471.D
Acq: 1 Oct 2019 18:53

Instrument :
MSVOA_N
ClientSampled :
MW-1

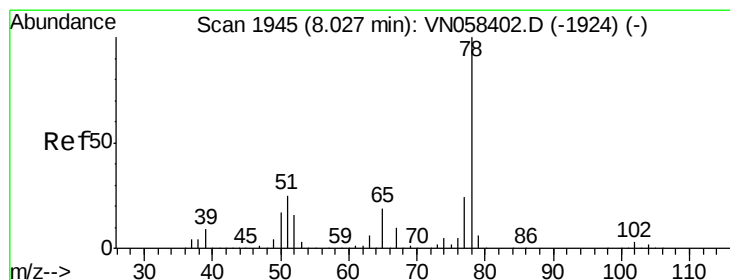
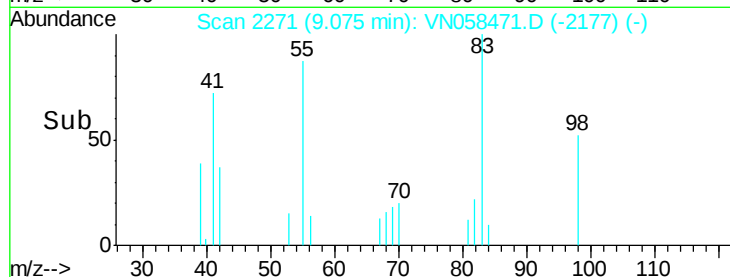
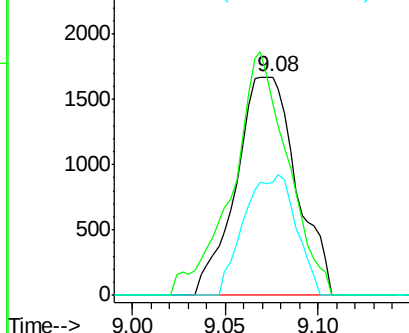
Tot Ion	Ratio	Lower	Upper
83	100		
55	87.5	61.8	92.6
98	51.8	35.4	53.0

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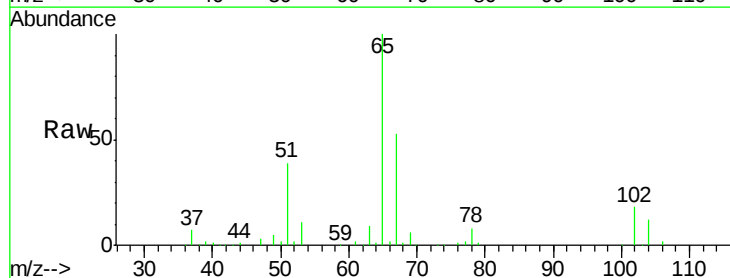


Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

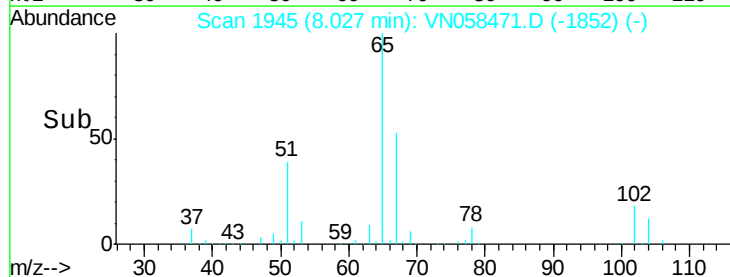
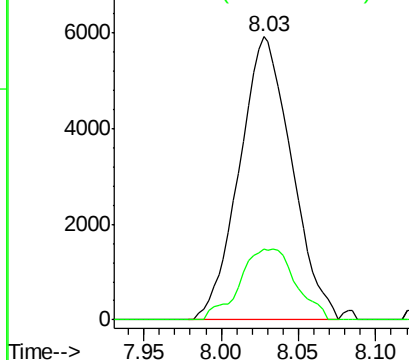


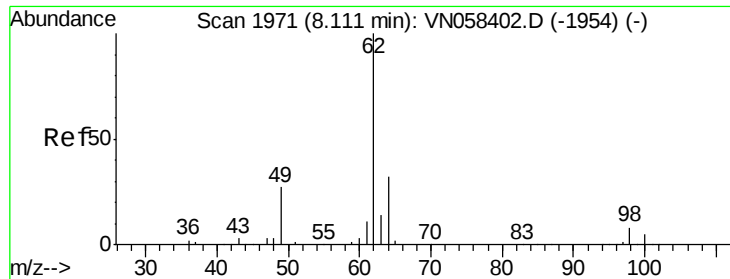
#40
Benzene
Concen: 0.914 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058471.D
Acq: 1 Oct 2019 18:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	18.9	28.3



Abundance Ion 78.00 (77.70 to 78.70): VNO
Ion 77.00 (76.70 to 77.70): VNO





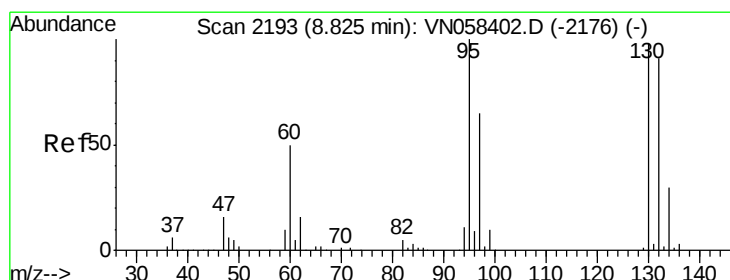
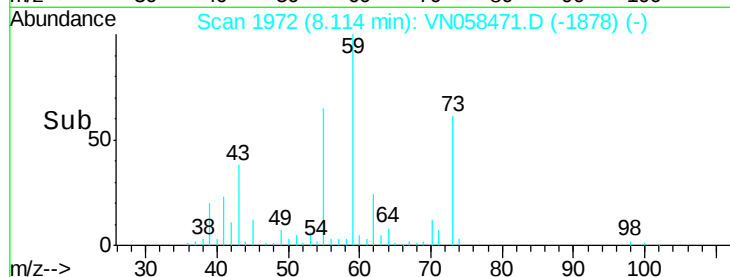
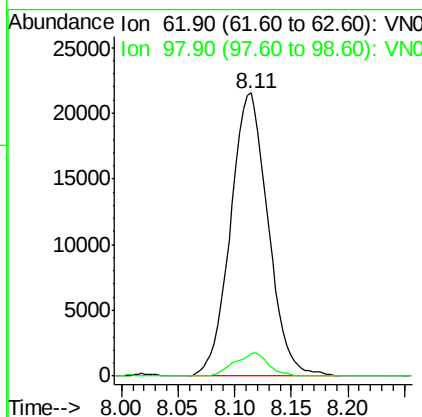
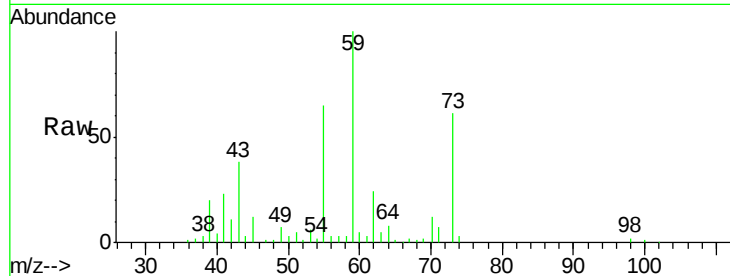
#42
 1,2-Dichloroethane
 Concen: 8.402 ug/l
 RT: 8.11 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VN058471.D
 Acq: 1 Oct 2019 18:53

Instrument :
 MSVOA_N
 ClientSampled :
 MW-1

Tot Ion: 62 Resp: 49813
 Ion Ratio Lower Upper
 62 100
 98 7.4 0.0 15.6

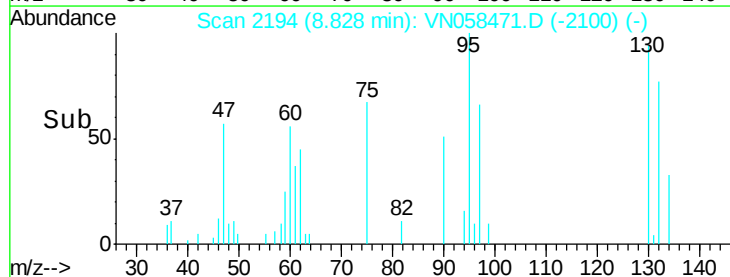
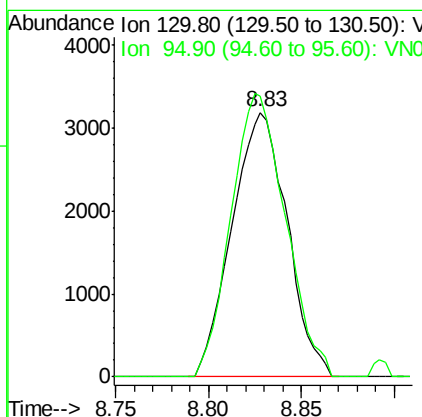
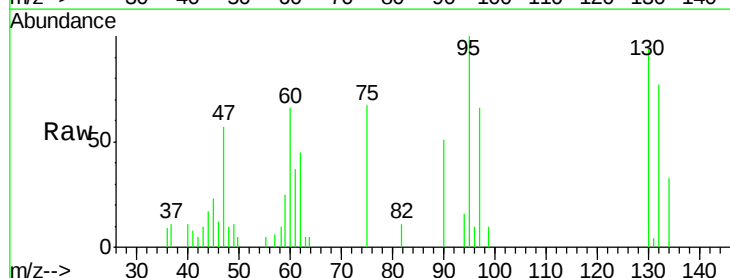
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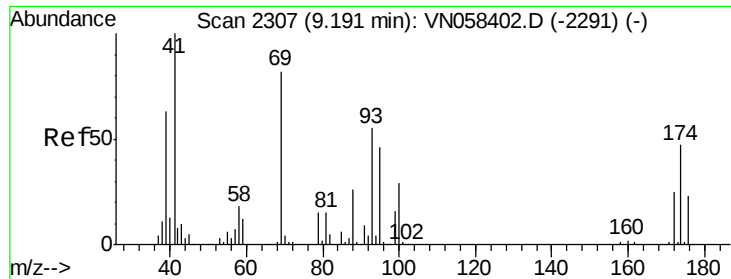
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 10/3/2019 12:36:04 PM



#44
 Trichloroethene
 Concen: 1.748 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VN058471.D
 Acq: 1 Oct 2019 18:53

Tgt Ion: 130 Resp: 6577
 Ion Ratio Lower Upper
 130 100
 95 106.1 0.0 204.2





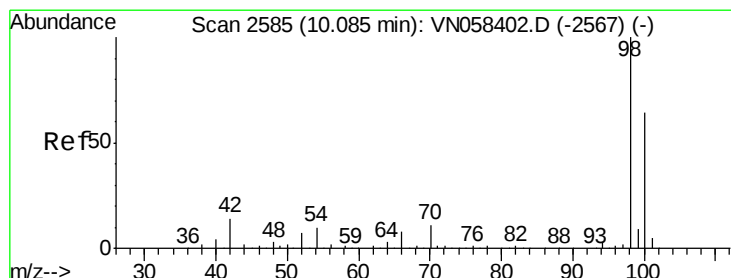
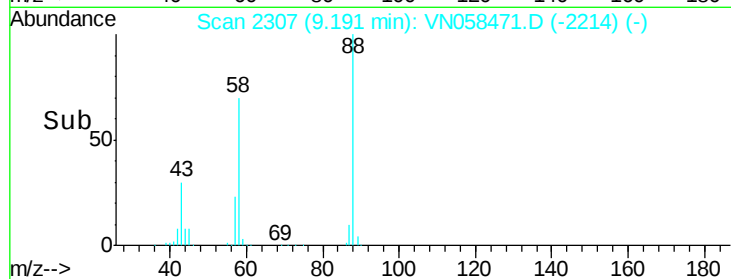
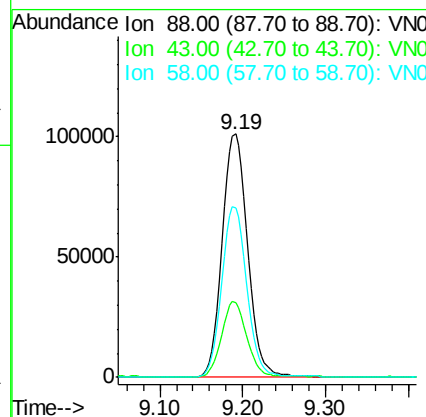
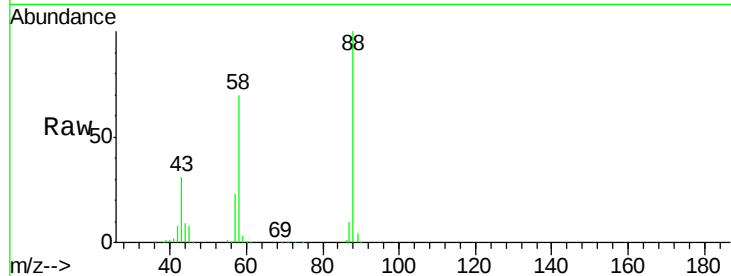
#49
1,4-Dioxane
Concen: 4193.731 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058471.D
Acq: 1 Oct 2019 18:53

Instrument :
MSVOA_N
ClientSampled :
MW-1

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	30.3		31.1	46.7#
58	68.6		58.1	87.1

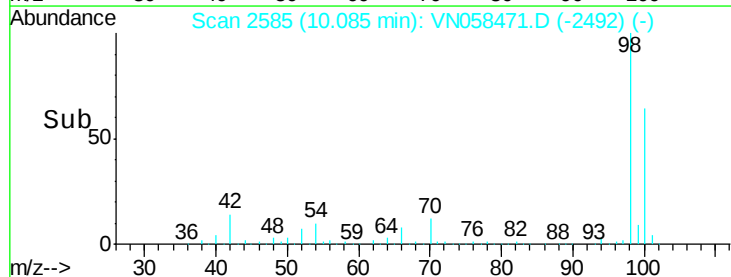
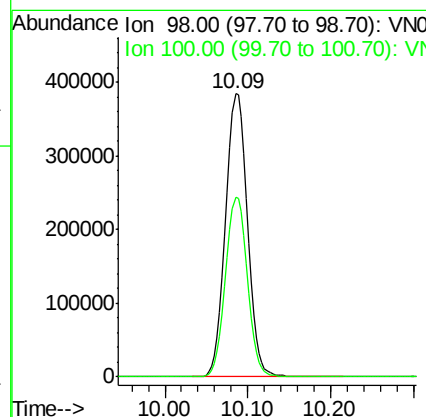
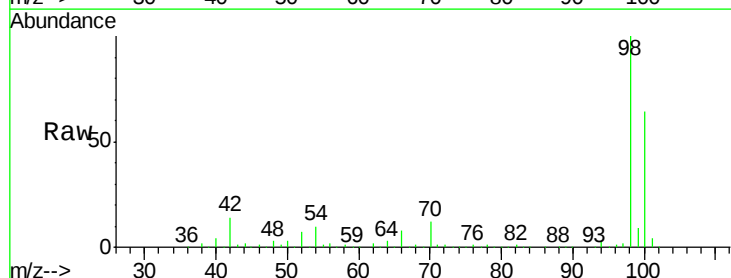
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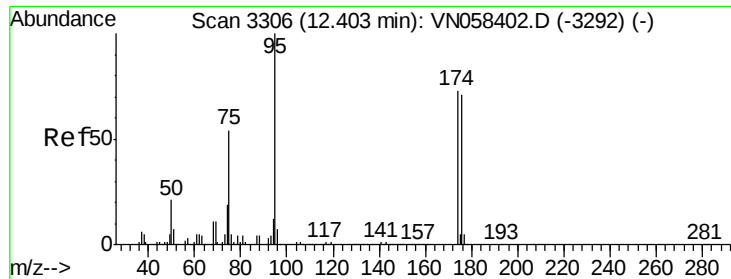
MMDadoda
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#50
Toluene-d8
Concen: 52.981 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058471.D
Acq: 1 Oct 2019 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	63.4		51.0	76.6





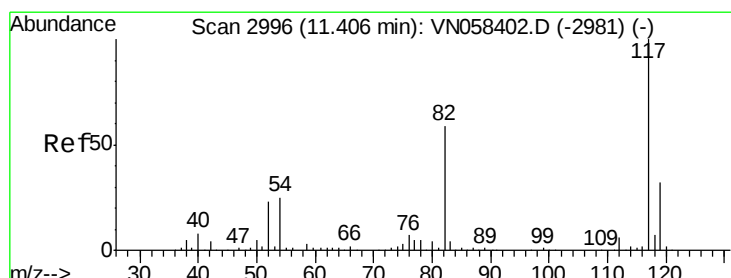
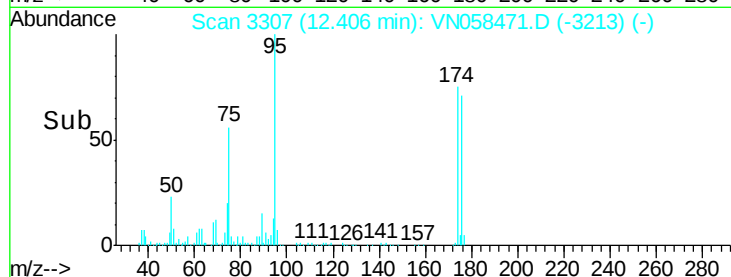
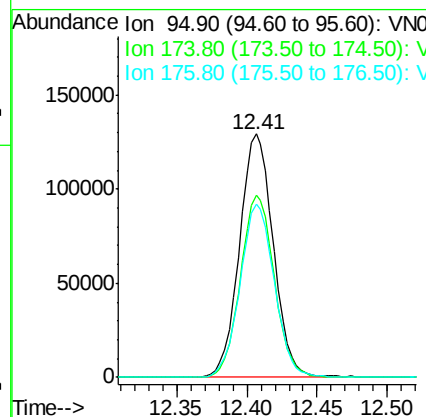
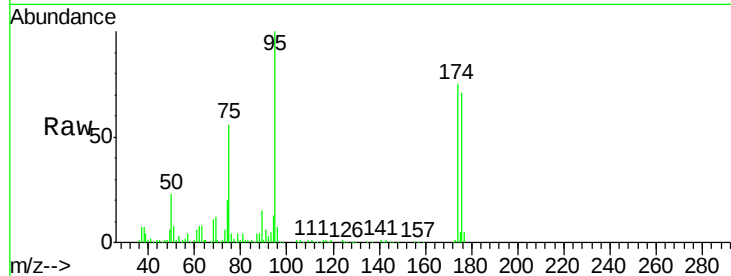
#62
4-Bromofluorobenzene
Concen: 45.014 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058471.D
Acq: 1 Oct 2019 18:53

Instrument :
MSVOA_N
ClientSampled :
MW-1

Tot Ion	Ratio	Resp	Lower	Upper
95	100	216652		
174	75.3	0.0	150.6	
176	72.4	0.0	146.2	

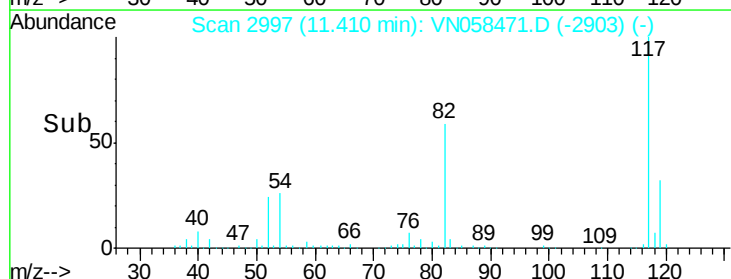
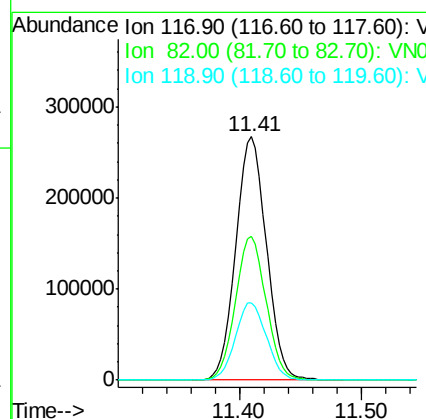
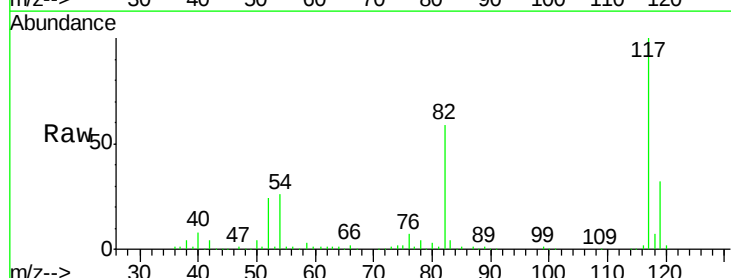
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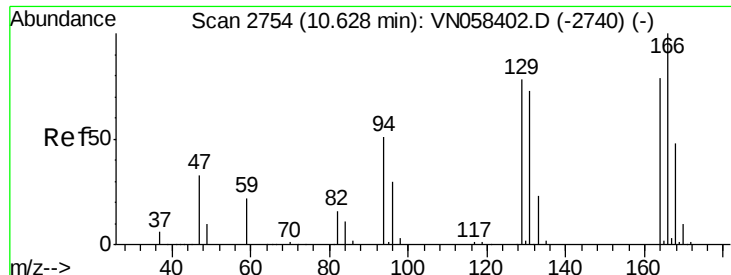
MMDadoda
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058471.D
Acq: 1 Oct 2019 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	467450		
82	59.3	47.4	71.0	
119	31.9	25.5	38.3	





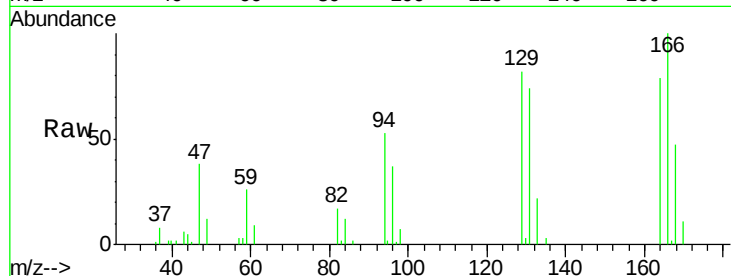
#64
Tetrachloroethene
Concen: 5.830 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058471.D
Acq: 1 Oct 2019 18:53

Instrument :
MSVOA_N
ClientSampled :
MW-1

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.5	101.1	151.7
129	103.6	79.2	118.8
131	93.8	74.1	111.1

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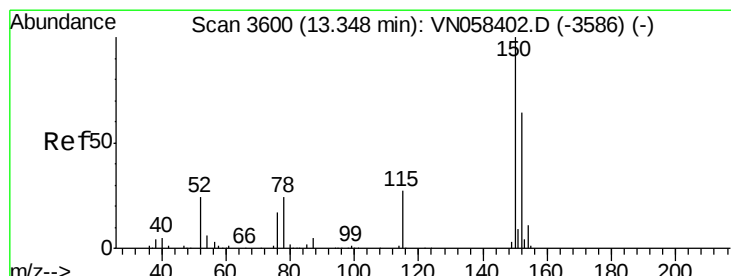
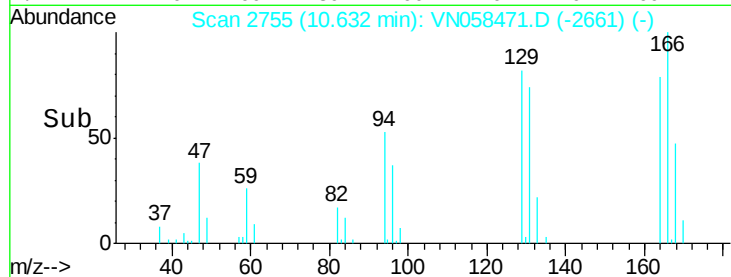
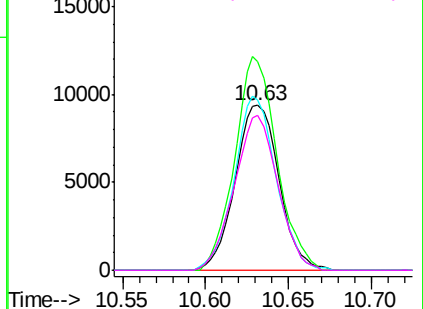
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

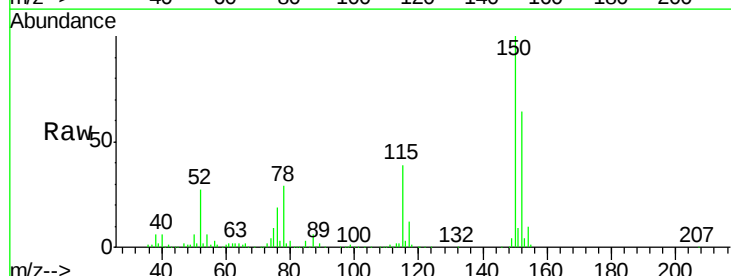
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN058471.D
Acq: 1 Oct 2019 18:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.5	30.0	90.0
150	157.0	0.0	348.2

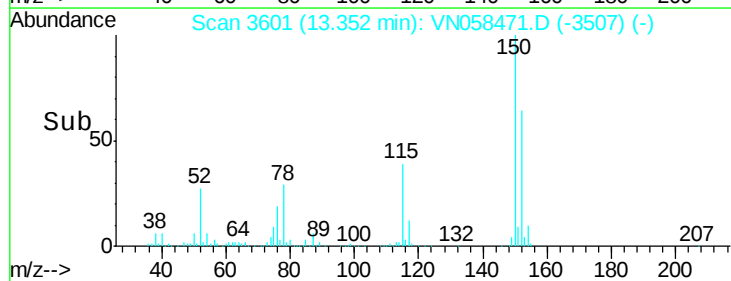
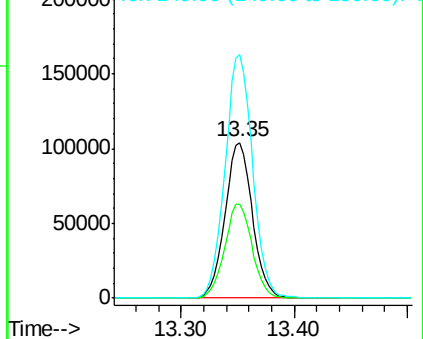


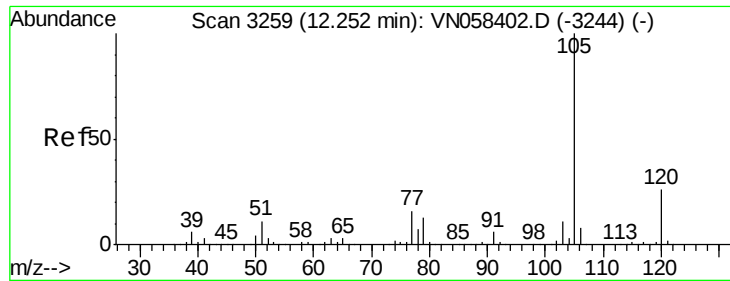
Abundance

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





#73

Isopropylbenzene

Concen: 0.226 ug/l m

RT: 12.26 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN058471.D

Acq: 1 Oct 2019 18:53

Instrument :

MSVOA_N

ClientSampled :

MW-1

Tot Ion:105 Resp: 2927

Ion Ratio Lower Upper

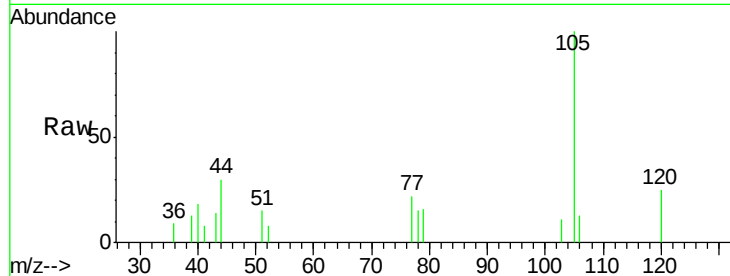
105 100

120 0.0 12.8 38.4#

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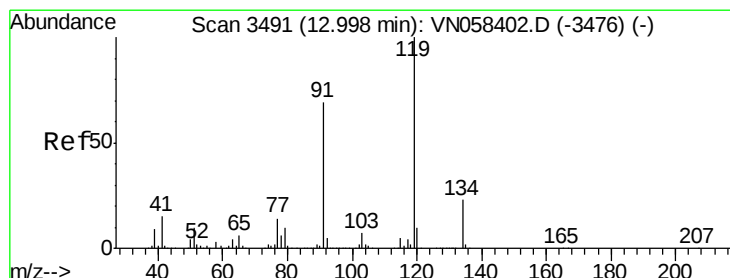
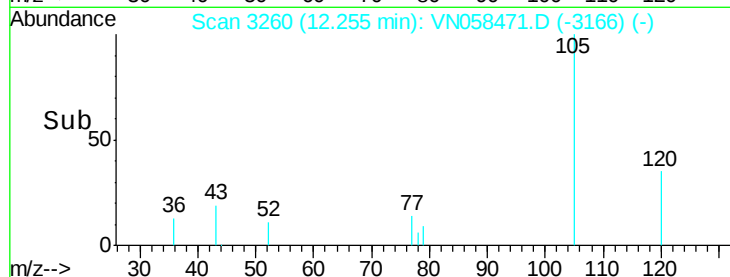
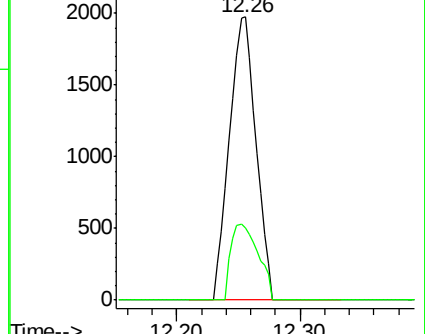
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#83

tert-Butylbenzene

Concen: 0.319 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058471.D

Acq: 1 Oct 2019 18:53

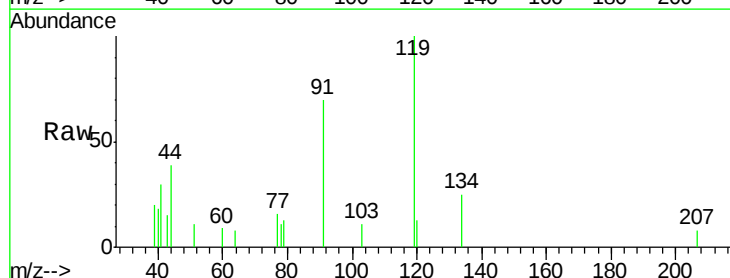
Tgt Ion:119 Resp: 2924

Ion Ratio Lower Upper

119 100

91 68.4 34.2 102.6

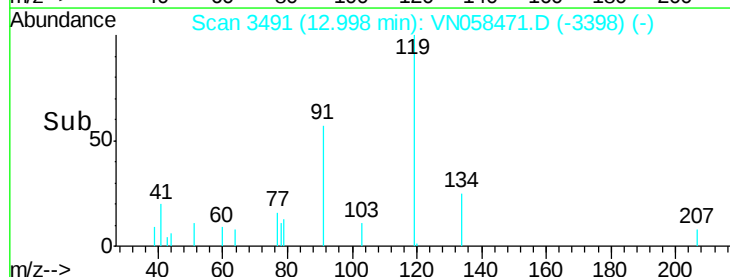
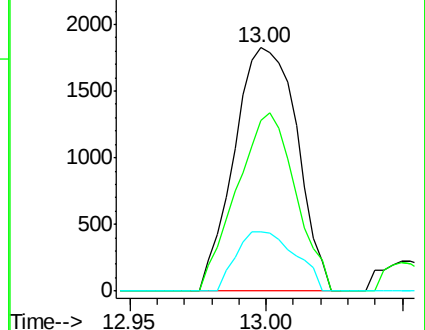
134 22.9 11.6 34.8

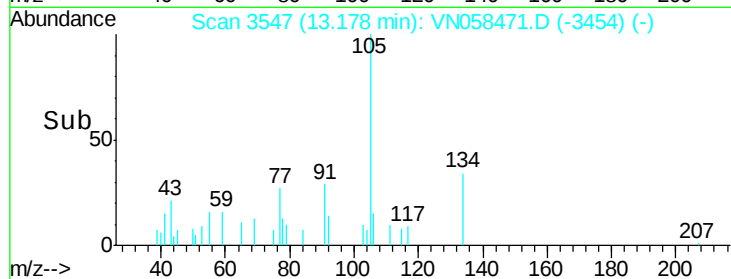
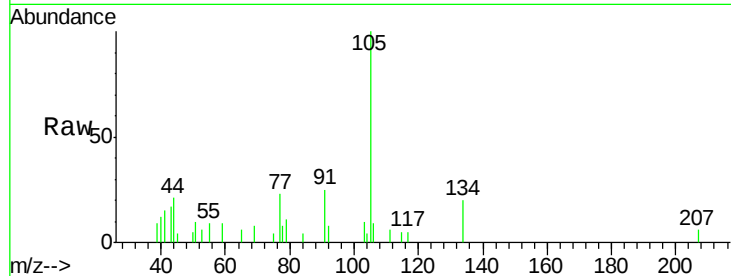
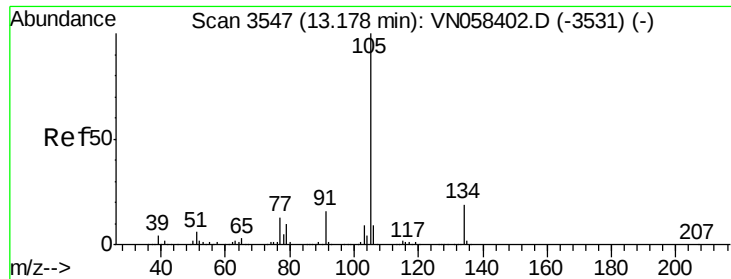


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V





#85
 sec-Butylbenzene
 Concen: 0.510 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058471.D
 Acq: 1 Oct 2019 18:53

Tot Ion	Ratio	Resp	Lower	Upper
105	100	6147		
134	27.9	9.4	28.2	

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

Manual Integrations
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