

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062433.D
 Acq On : 9 Jul 2020 2:47
 Operator : JC/MD
 Sample : L3215-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:58:44 AM

Quant Time: Jul 09 04:18:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 09 02:12:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	182088	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	332621	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	316114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	127379	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	141009	50.35	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.70%		
35) Dibromofluoromethane	7.55	113	102906	50.05	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.10%		
50) Toluene-d8	10.06	98	427932	52.72	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.44%		
62) 4-Bromofluorobenzene	12.38	95	155933	52.57	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.14%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	5056m	10.883	ug/l	
16) Acetone	3.78	43	9760	8.208	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	161649	22.813	ug/l #	57
31) Cyclohexane	7.62	56	56844	13.362	ug/l #	90
39) Methylcyclohexane	9.05	83	69841	19.521	ug/l	97
40) Benzene	8.00	78	99468	10.071	ug/l	98
52) Toluene	10.12	92	5258	0.922	ug/l	92
64) Tetrachloroethene	10.60	164	3422	1.824	ug/l	91
67) Ethyl Benzene	11.49	91	3405	0.295	ug/l	91
68) m/p-Xylenes	11.60	106	21890	5.362	ug/l	100
69) o-Xylene	11.92	106	4380	1.102	ug/l	84
73) Isopropylbenzene	12.22	105	34851	3.536	ug/l	100
78) n-propylbenzene	12.57	91	12157	1.056	ug/l	92
80) 1,3,5-Trimethylbenzene	12.71	105	4789	0.593	ug/l	97
83) tert-Butylbenzene	12.97	119	3667	0.535	ug/l	85
85) sec-Butylbenzene	13.15	105	20097	2.212	ug/l #	70
86) p-Isopropyltoluene	13.26	119	4291	0.547	ug/l #	50
95) Naphthalene	15.10	128	10018	1.504	ug/l	99

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

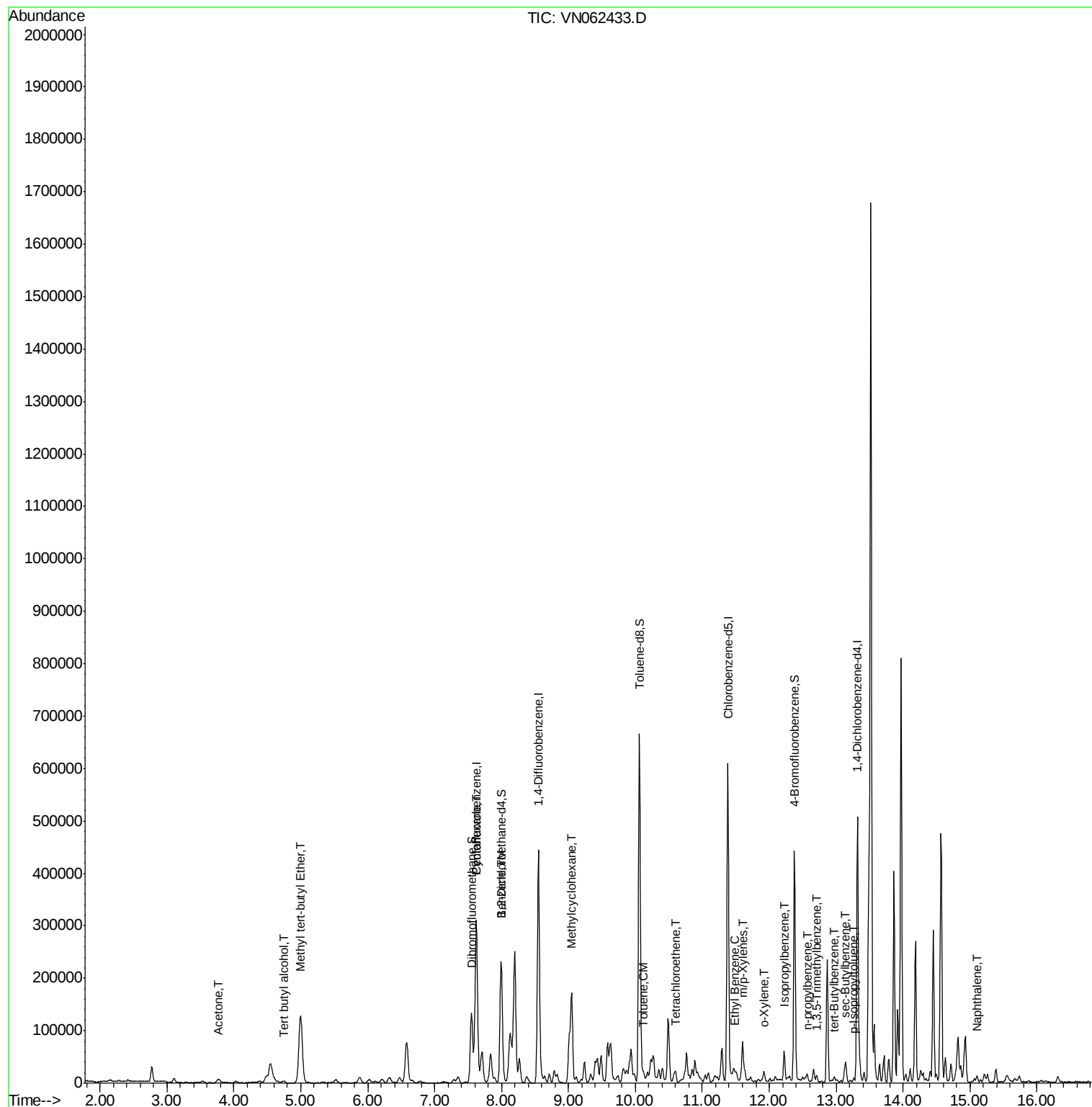
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
Data File : VN062433.D
Acq On : 9 Jul 2020 2:47
Operator : JC/MD
Sample : L3215-10
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 43 Sample Multiplier: 1

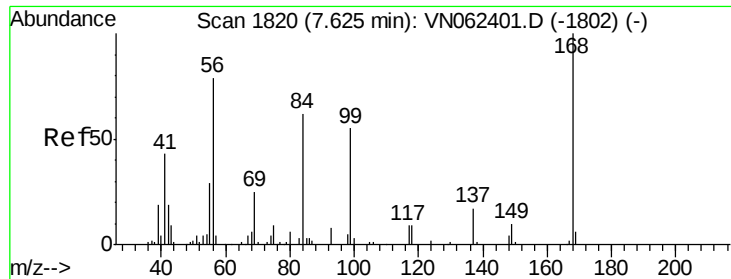
Instrument :
MSVOA_N
ClientSampleId :
MW-5

Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 09 02:12:34 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN062433.D

Acq: 9 Jul 2020 2:47

Instrument :

MSVOA_N

ClientSampled :

MW-5

Tot Ion:168 Resp: 182088

Ion Ratio Lower Upper

168 100

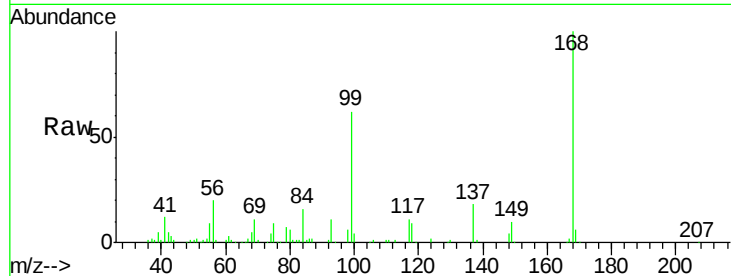
99 62.5 48.8 73.2

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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

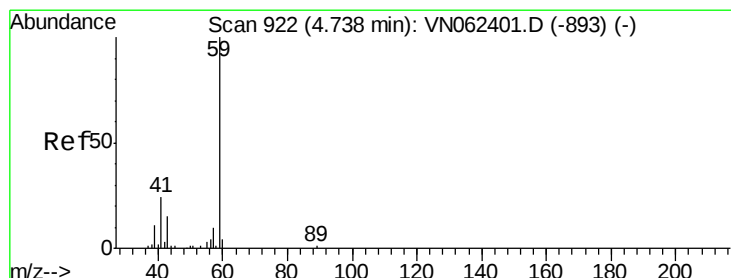
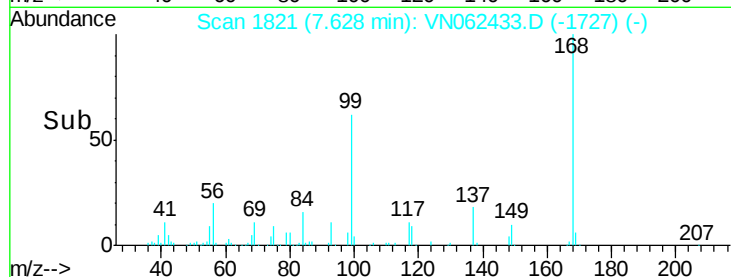
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 10.883 ug/l m

RT: 4.73 min Scan# 920

Delta R.T. -0.01 min

Lab File: VN062433.D

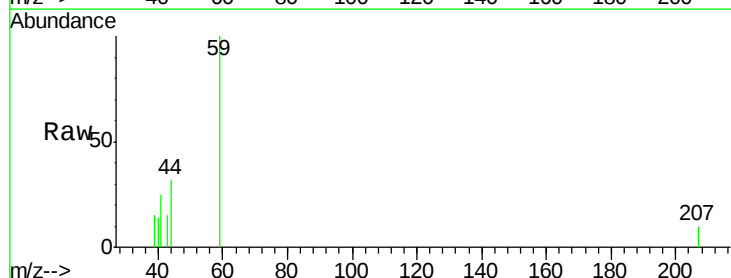
Acq: 9 Jul 2020 2:47

Tgt Ion: 59 Resp: 5056

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.73

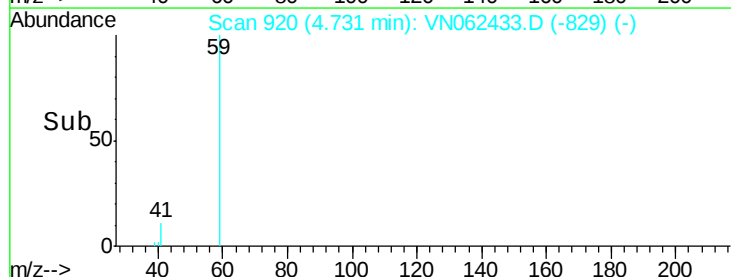
1500

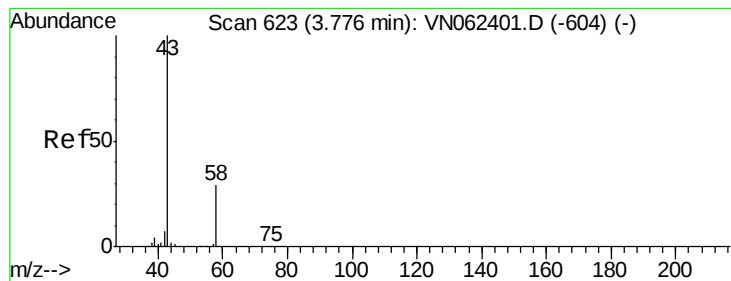
1000

500

0

Time--> 4.70 4.80





#16

Acetone

Concen: 8.208 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062433.D

Acq: 9 Jul 2020 2:47

Instrument :

MSVOA_N

ClientSampled :

MW-5

Tot Ion: 43 Resp: 9760

Ion Ratio Lower Upper

43 100

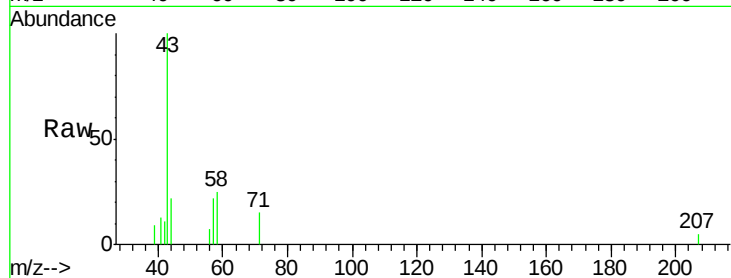
58 24.9 23.5 35.3

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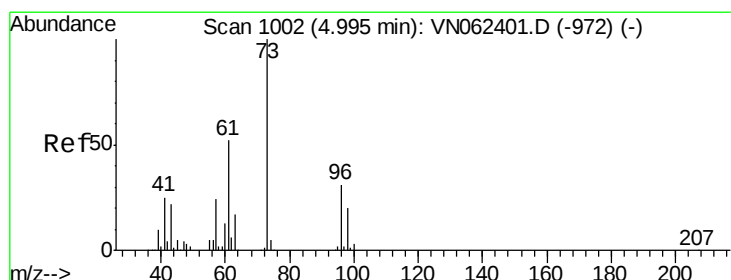
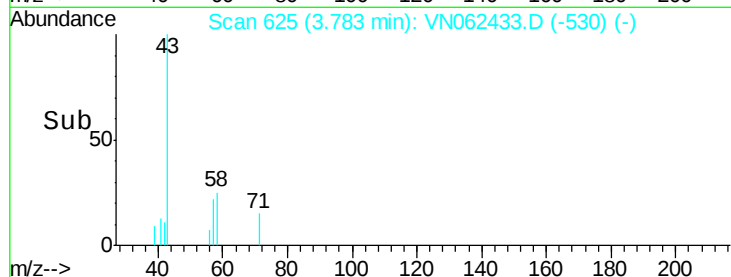
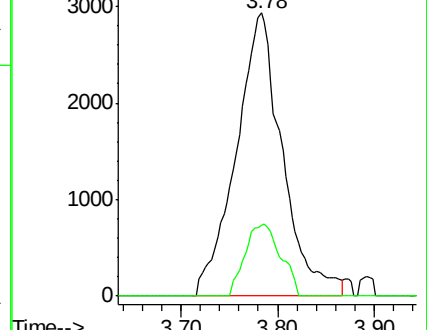
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Abundance Ion 43.00 (42.70 to 43.70): VN062401.D (-604) (-)

Ion 58.00 (57.70 to 58.70): VN062401.D (-604) (-)



#19

Methyl tert-butyl Ether

Concen: 22.813 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN062433.D

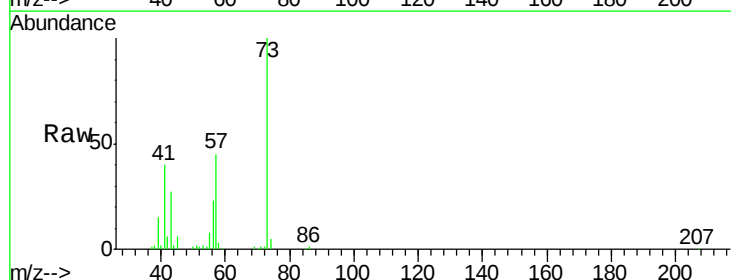
Acq: 9 Jul 2020 2:47

Tgt Ion: 73 Resp: 161649

Ion Ratio Lower Upper

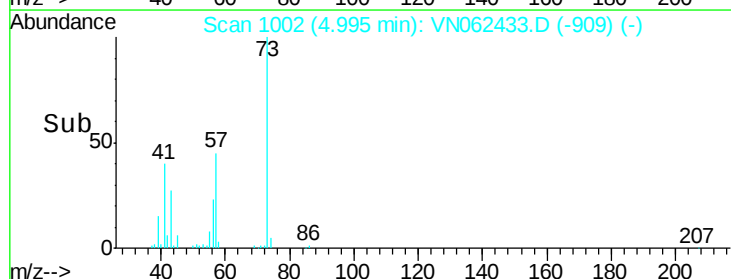
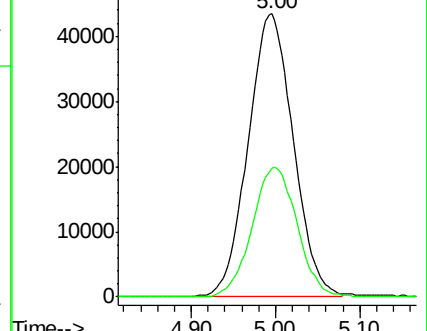
73 100

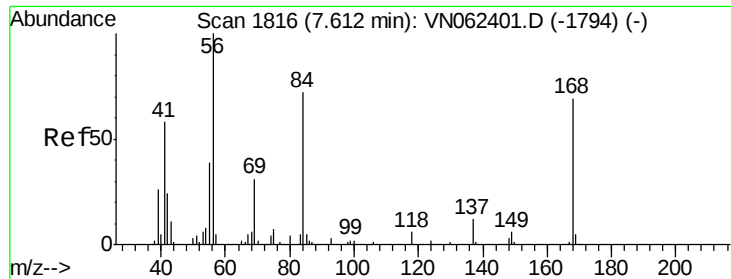
57 45.4 19.4 29.0#



Abundance Ion 73.00 (72.70 to 73.70): VN062401.D (-972) (-)

Ion 57.00 (56.70 to 57.70): VN062401.D (-972) (-)





#31

Cyclohexane

Concen: 13.362 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN062433.D

Acq: 9 Jul 2020 2:47

Instrument :

MSVOA_N

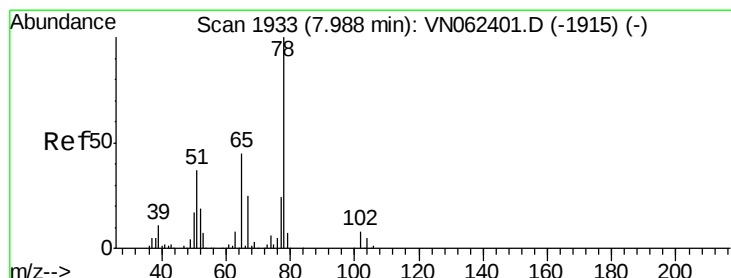
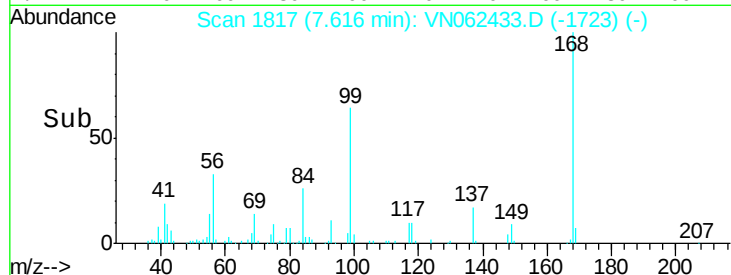
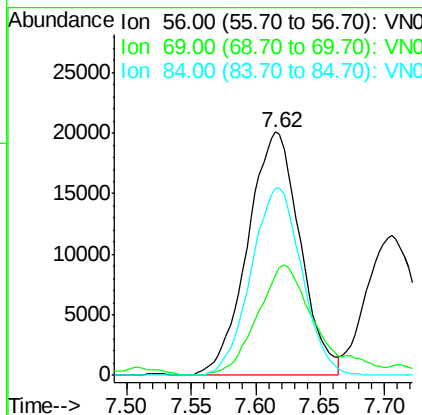
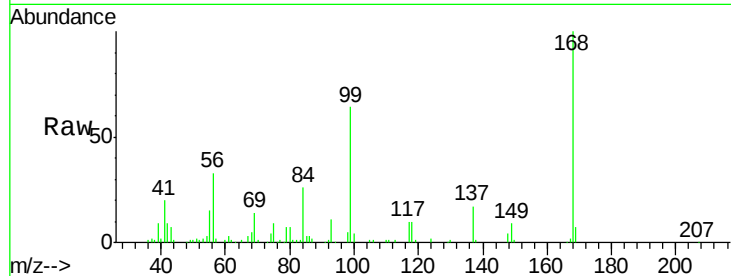
ClientSampled :

MW-5

Tot Ion:	56	Resp:	56844
Ion Ratio	Lower	Upper	
56	100		
69	41.1	24.5	36.7#
84	77.0	57.4	86.2

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#33

1,2-Dichloroethane-d4

Concen: 50.347 ug/l

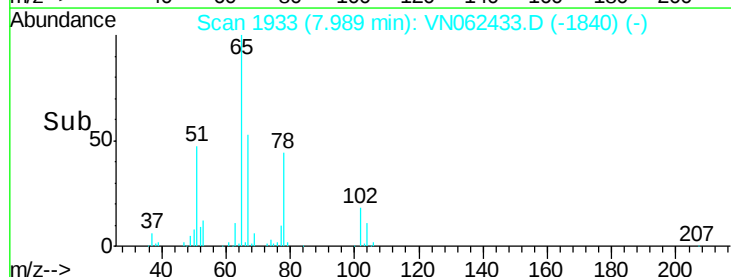
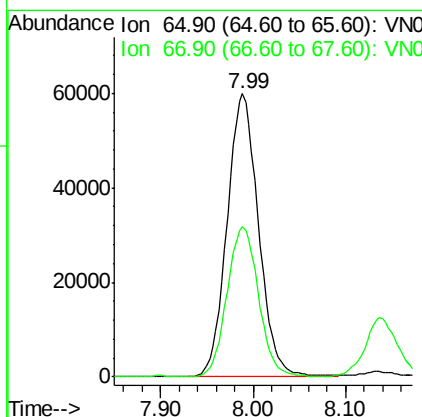
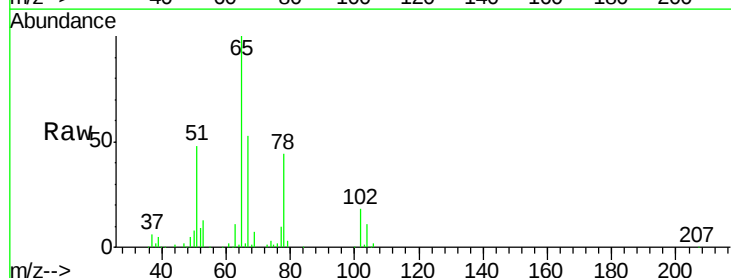
RT: 7.99 min Scan# 1933

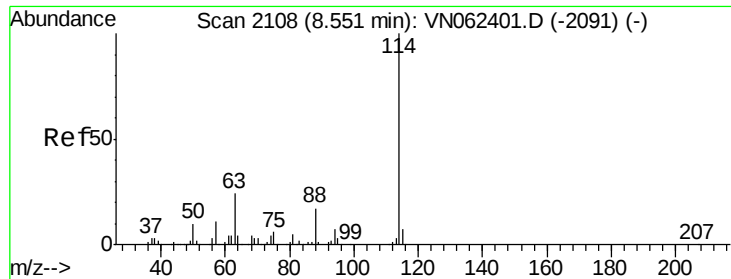
Delta R.T. 0.00 min

Lab File: VN062433.D

Acq: 9 Jul 2020 2:47

Tgt Ion:	65	Resp:	141009
Ion Ratio	Lower	Upper	
65	100		
67	53.1	0.0	107.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062433.D

Acq: 9 Jul 2020 2:47

Instrument :

MSVOA_N

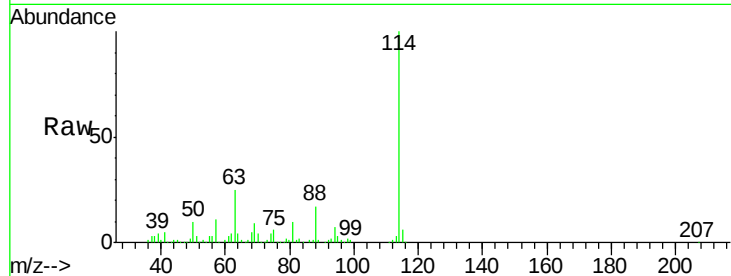
ClientSampleId :

MW-5

Tot Ion	Ratio	Resp	Lower	Upper
114	100	332621		
63	24.8	0.0	48.4	
88	17.0	0.0	33.8	

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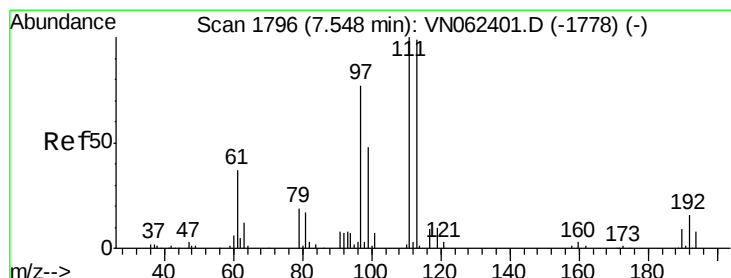
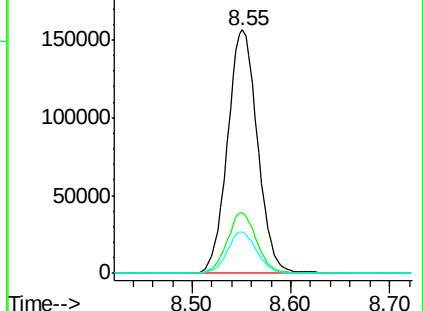
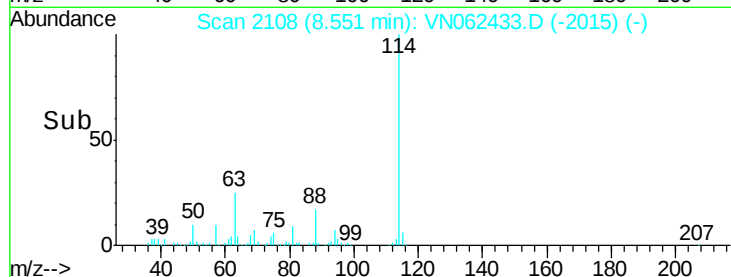
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Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 50.050 ug/l

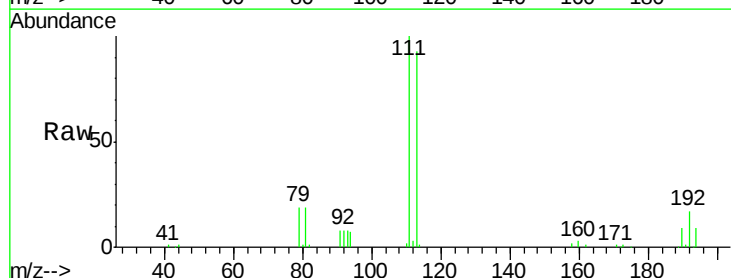
RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN062433.D

Acq: 9 Jul 2020 2:47

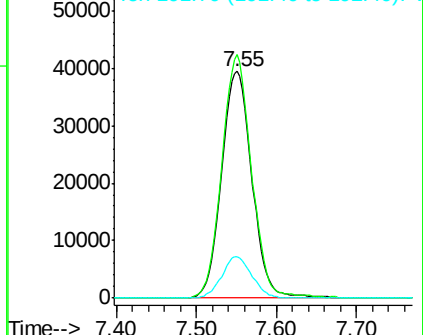
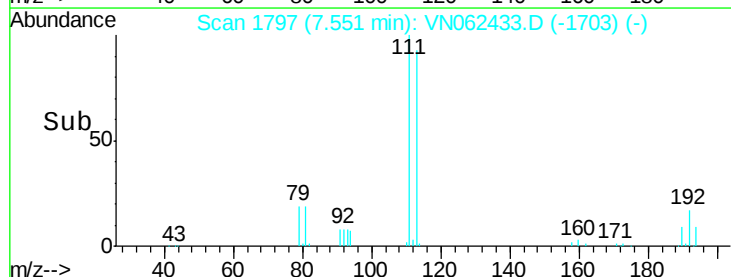
Tgt Ion	Ratio	Resp	Lower	Upper
113	100	102906		
111	104.3	83.1	124.7	
192	18.0	14.1	21.1	

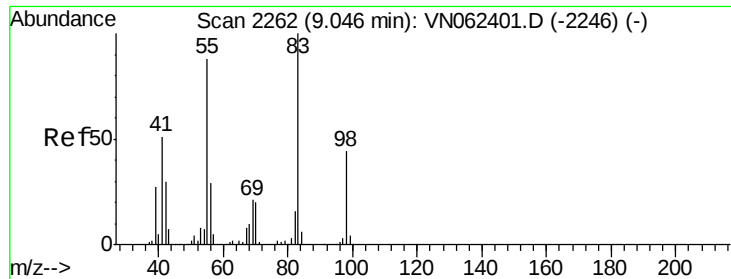


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





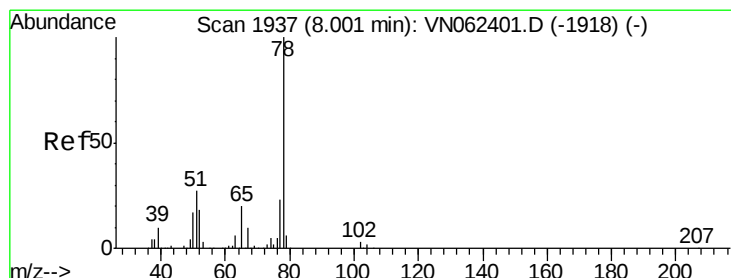
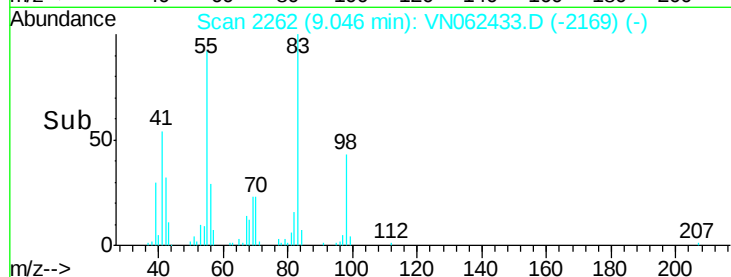
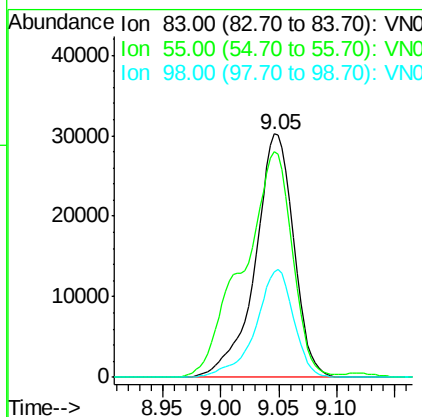
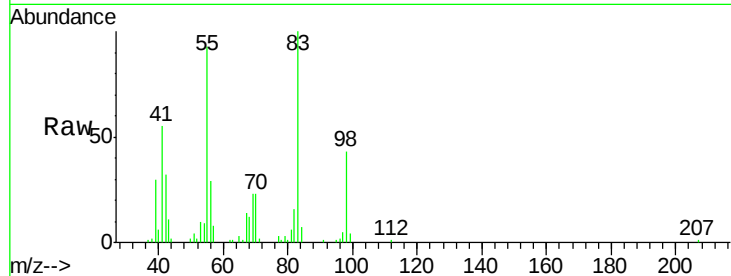
#39
Methvlcvclohexane
Concen: 19.521 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062433.D
Acq: 9 Jul 2020 2:47

Instrument :
MSVOA_N
ClientSampled :
MW-5

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.8	70.5	105.7
98	43.2	35.5	53.3

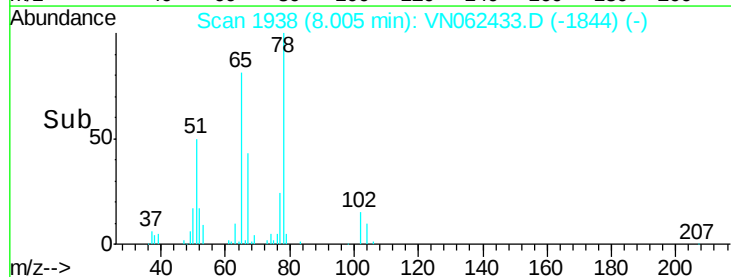
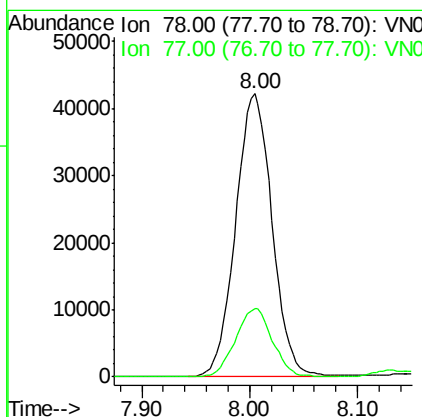
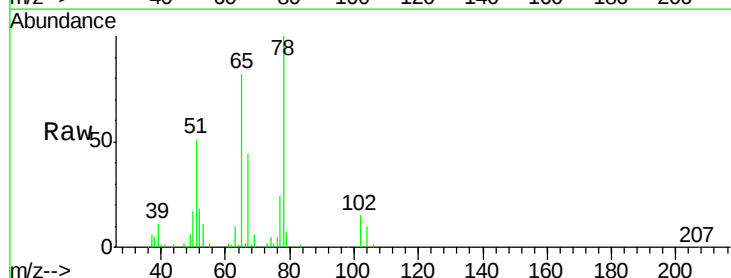
Manual Integrations
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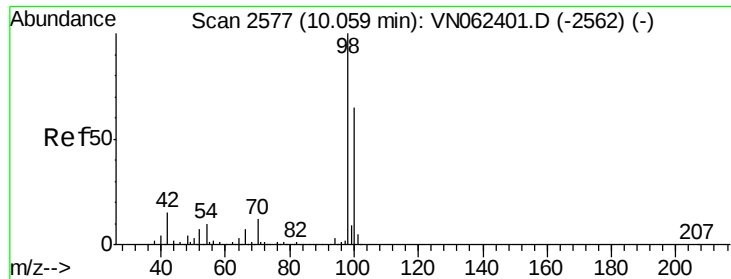
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#40
Benzene
Concen: 10.071 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN062433.D
Acq: 9 Jul 2020 2:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.7	28.1





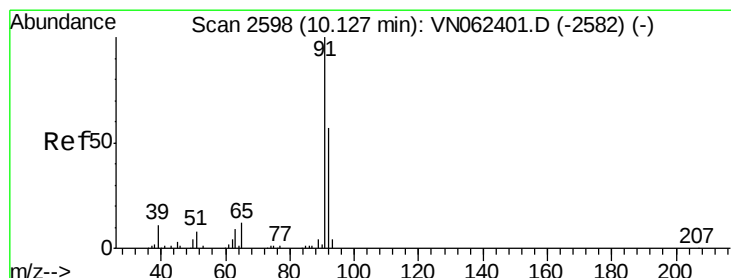
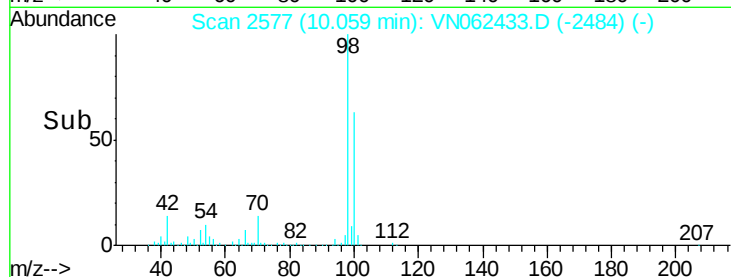
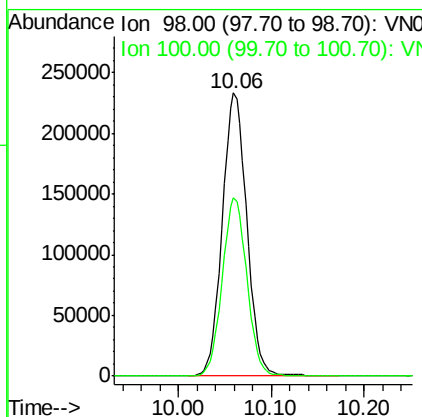
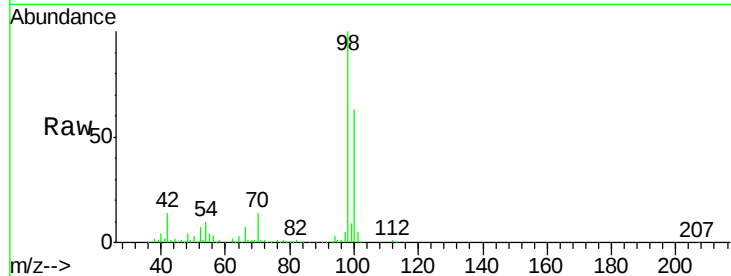
#50
Toluene-d8
Concen: 52.723 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062433.D
Acq: 9 Jul 2020 2:47

Instrument :
MSVOA_N
ClientSampled :
MW-5

Tot Ion: 98 Resp: 427932
Ion Ratio Lower Upper
98 100
100 63.3 51.5 77.3

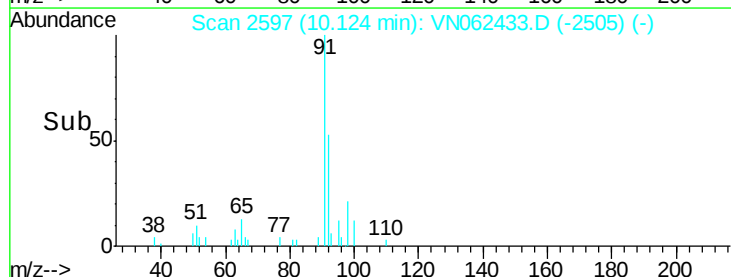
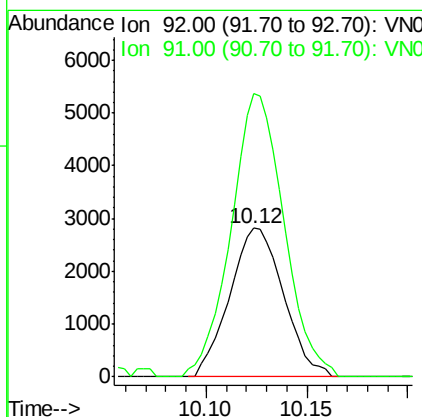
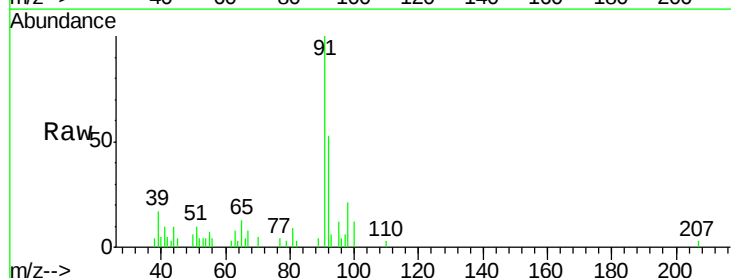
Manual Integrations
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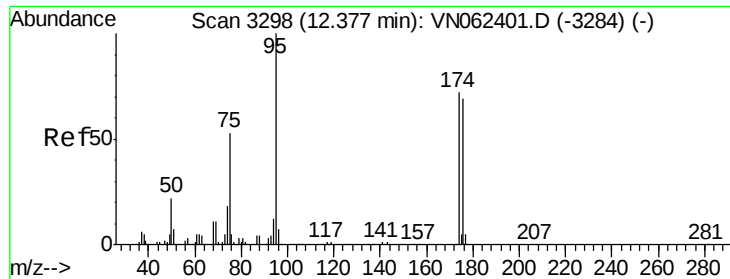
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7/9/2020 10:58:44 AM



#52
Toluene
Concen: 0.922 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN062433.D
Acq: 9 Jul 2020 2:47

Tgt Ion: 92 Resp: 5258
Ion Ratio Lower Upper
92 100
91 187.0 141.0 211.6





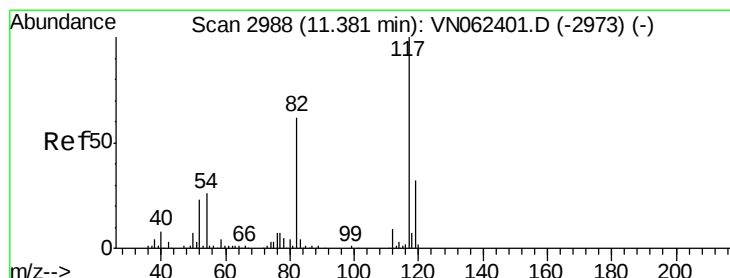
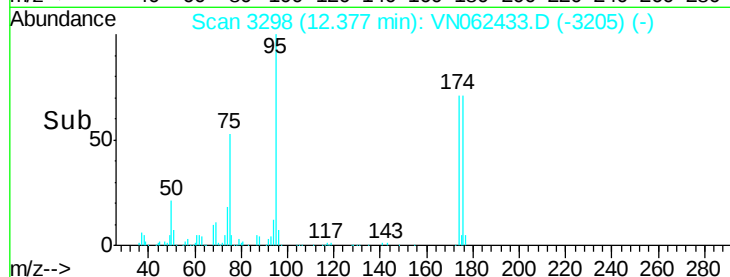
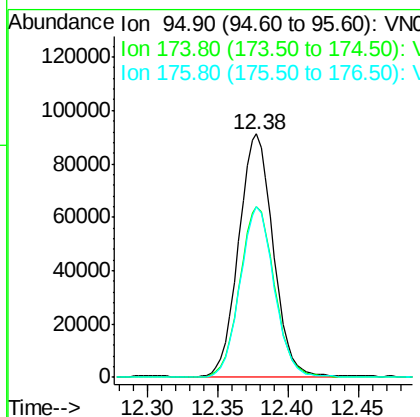
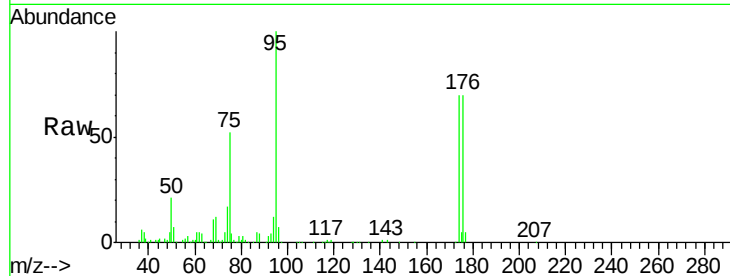
#62
4-Bromofluorobenzene
Concen: 52.572 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062433.D
Acq: 9 Jul 2020 2:47

Instrument :
MSVOA_N
ClientSampleId :
MW-5

Tot Ion	Ratio	Resp	Lower	Upper
95	100	155933		
174	71.0	0.0	141.6	
176	69.6	0.0	137.2	

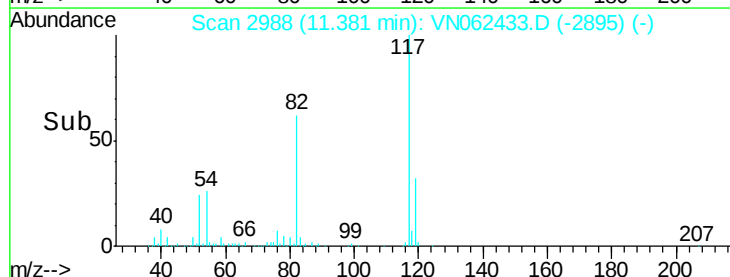
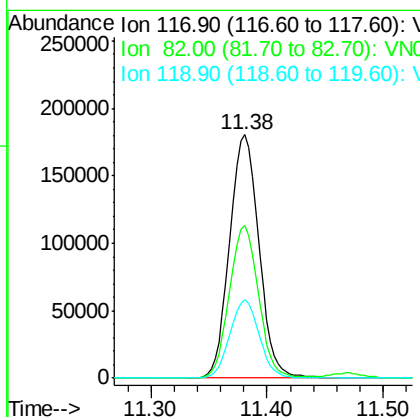
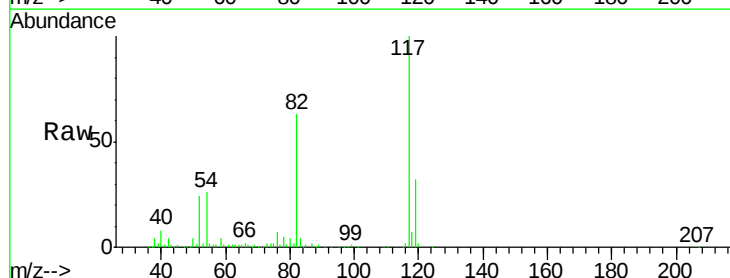
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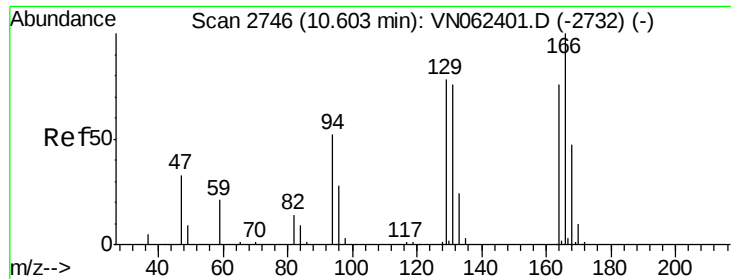
MMDadoda
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062433.D
Acq: 9 Jul 2020 2:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	316114		
82	62.5	49.6	74.4	
119	32.2	25.4	38.0	





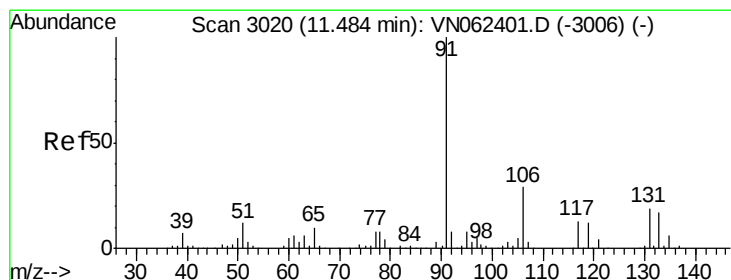
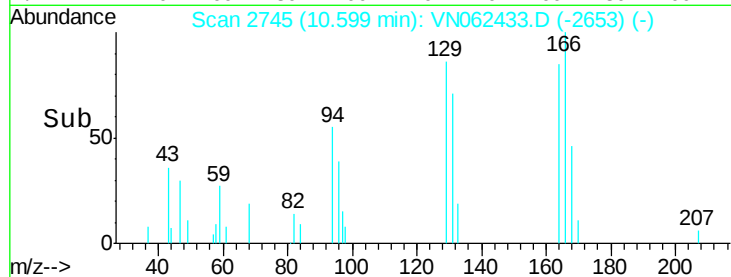
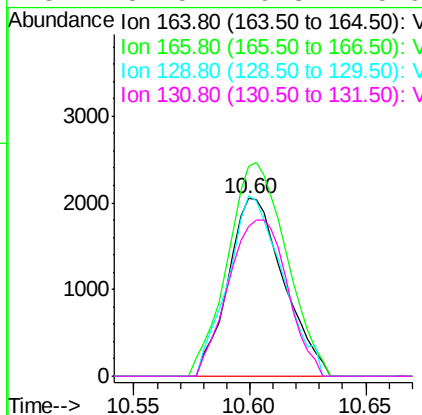
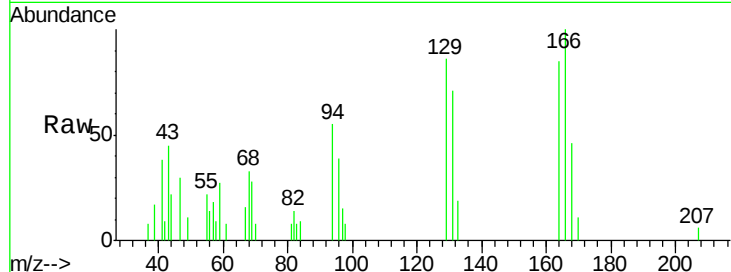
#64
Tetrachloroethene
Concen: 1.824 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.00 min
Lab File: VN062433.D
Acq: 9 Jul 2020 2:47

Instrument :
MSVOA_N
ClientSampled :
MW-5

Tot Ion:	164	Resp:	3422
Ion	Ratio	Lower	Upper
164	100		
166	118.2	104.9	157.3
129	101.7	81.8	122.6
131	84.5	79.3	118.9

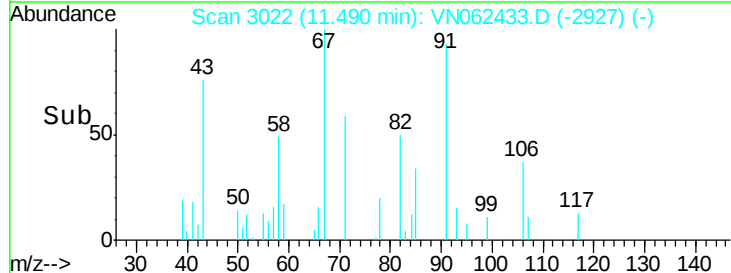
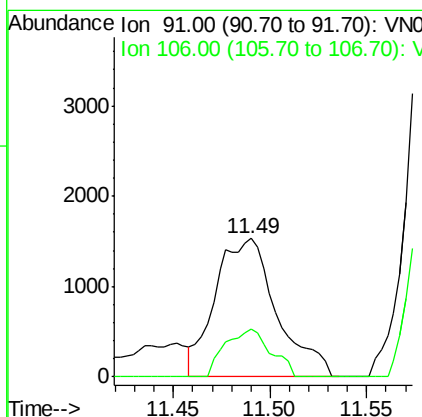
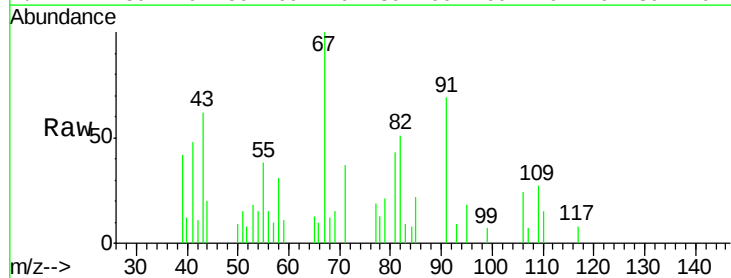
Manual Integrations
APPROVED

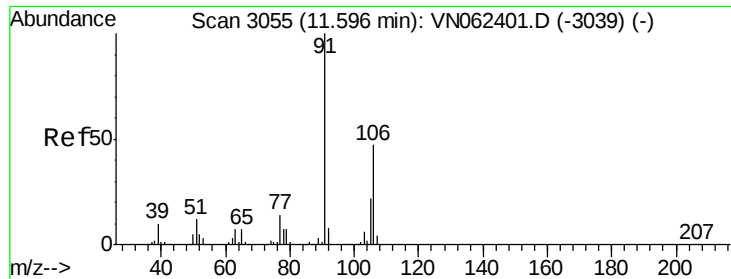
MMDadoda
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#67
Ethyl Benzene
Concen: 0.295 ug/l
RT: 11.49 min Scan# 3022
Delta R.T. 0.01 min
Lab File: VN062433.D
Acq: 9 Jul 2020 2:47

Tgt Ion:	91	Resp:	3405
Ion	Ratio	Lower	Upper
91	100		
106	34.3	23.4	35.2





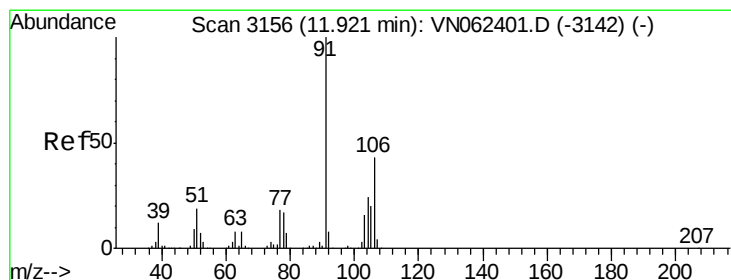
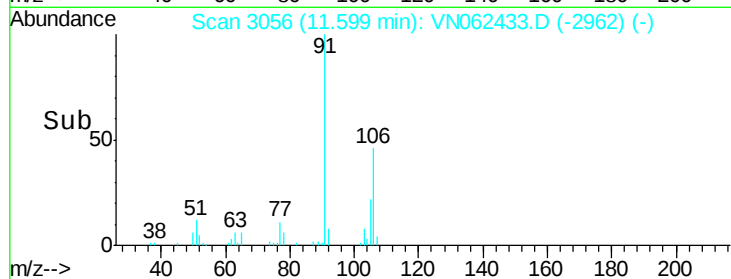
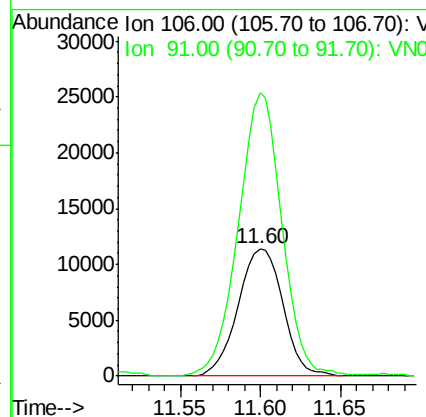
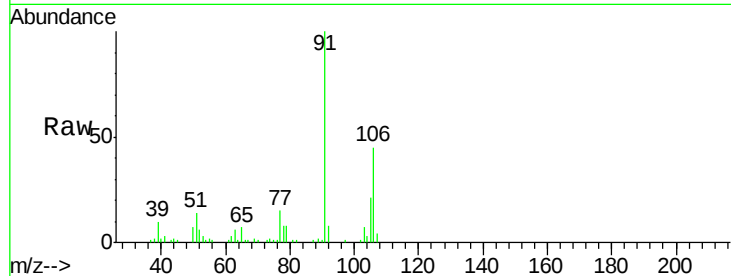
#68
m/p-Xylenes
Concen: 5.362 ug/l
RT: 11.60 min Scan# 3056
Delta R.T. 0.00 min
Lab File: VN062433.D
Acq: 9 Jul 2020 2:47

Instrument :
MSVOA_N
ClientSampled :
MW-5

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	215.3	172.4	258.6	

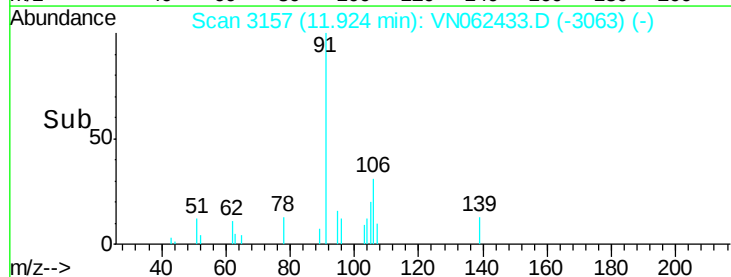
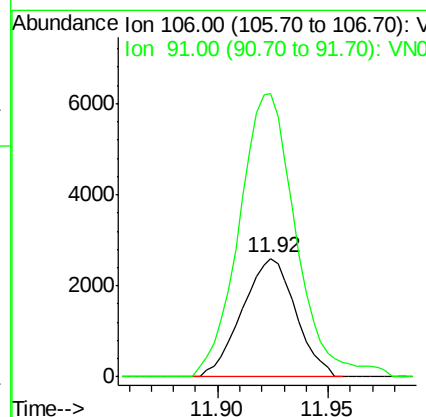
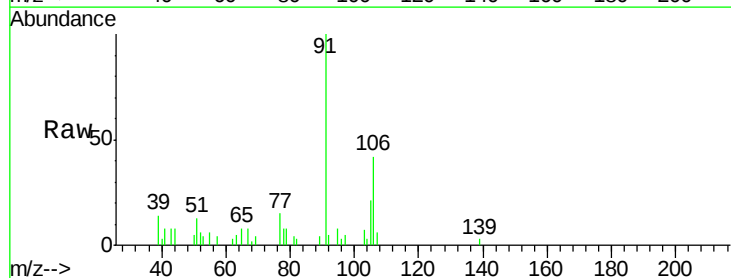
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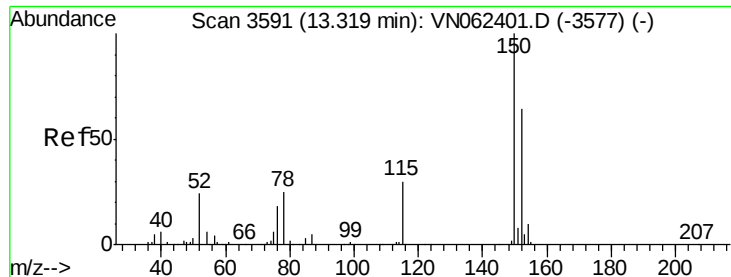
MMDadoda
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#69
o-Xylene
Concen: 1.102 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN062433.D
Acq: 9 Jul 2020 2:47

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	254.5	113.8	341.4	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062433.D

Acq: 9 Jul 2020 2:47

Instrument :

MSVOA_N

ClientSampled :

MW-5

Tot Ion:152 Resp: 127379

Ion Ratio Lower Upper

152 100

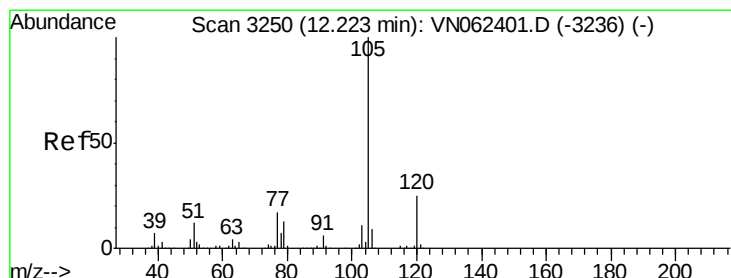
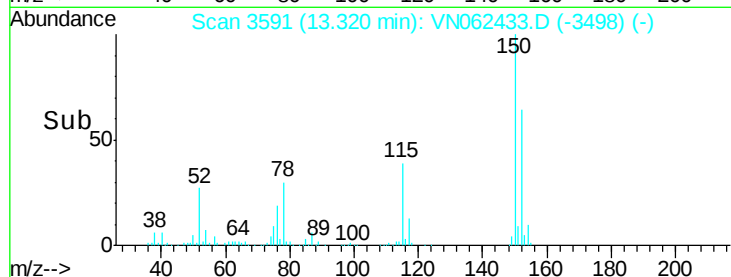
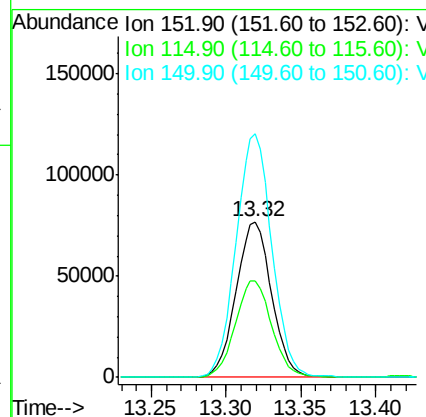
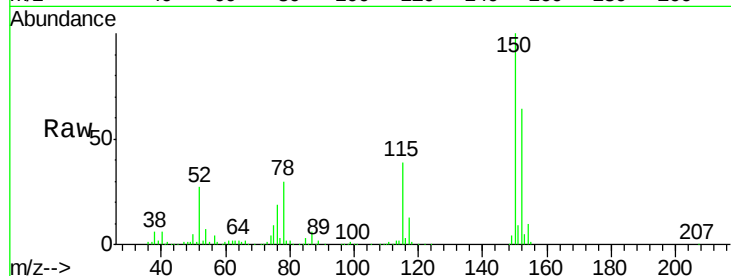
115 62.8 31.4 94.2

150 158.0 0.0 347.4

Manual Integrations
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#73

Isopropylbenzene

Concen: 3.536 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062433.D

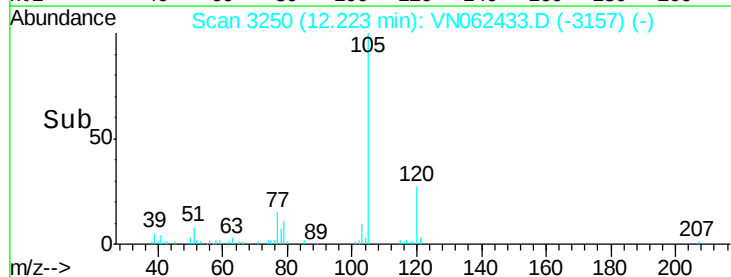
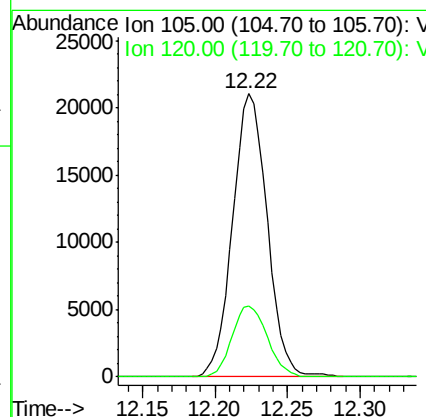
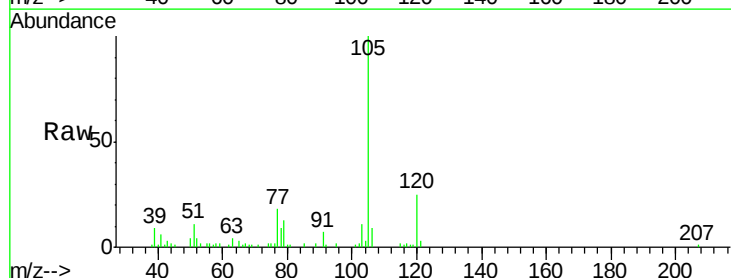
Acq: 9 Jul 2020 2:47

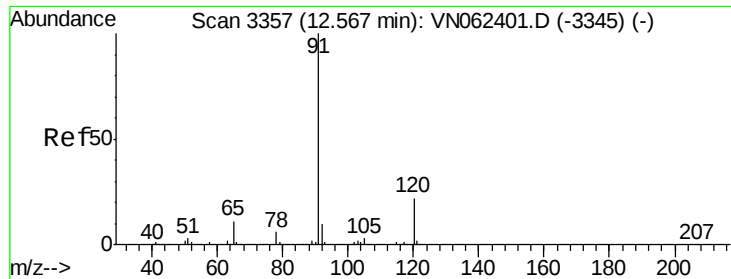
Tgt Ion:105 Resp: 34851

Ion Ratio Lower Upper

105 100

120 25.4 12.7 38.1





#78

n-propylbenzene

Concen: 1.056 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062433.D

Acq: 9 Jul 2020 2:47

Instrument :

MSVOA_N

ClientSampled :

MW-5

Tot Ion: 91 Resp: 12157

Ion Ratio Lower Upper

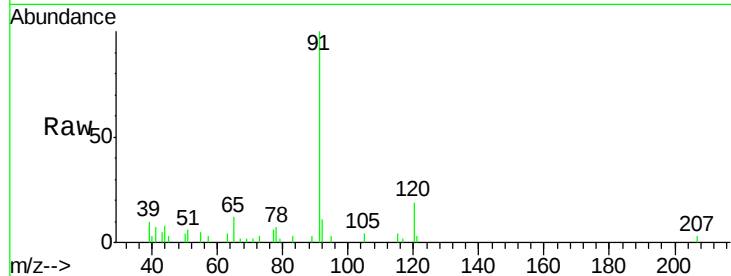
91 100

120 17.6 10.7 32.1

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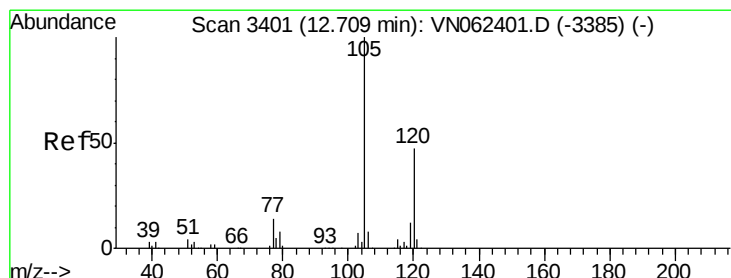
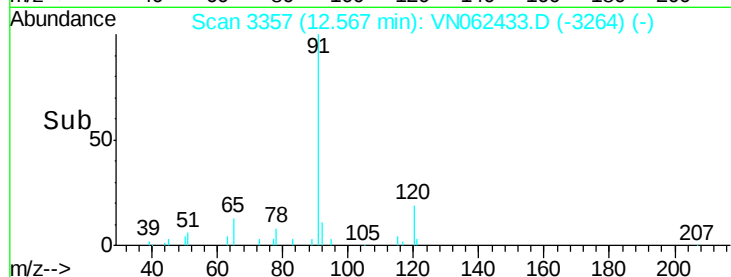


Abundance Ion 91.00 (90.70 to 91.70): VN062401.D (-3345) (-)

Ion 120.00 (119.70 to 120.70): VN062401.D (-3345) (-)

12.57

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.593 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062433.D

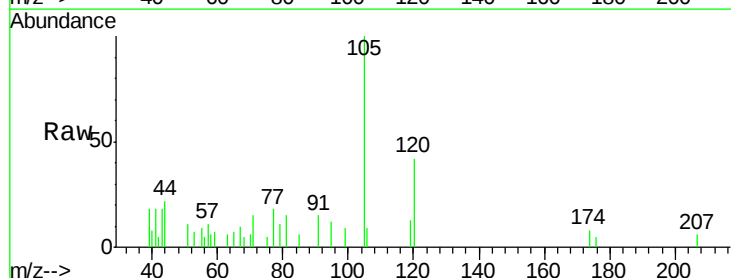
Acq: 9 Jul 2020 2:47

Tgt Ion: 105 Resp: 4789

Ion Ratio Lower Upper

105 100

120 48.9 23.4 70.2

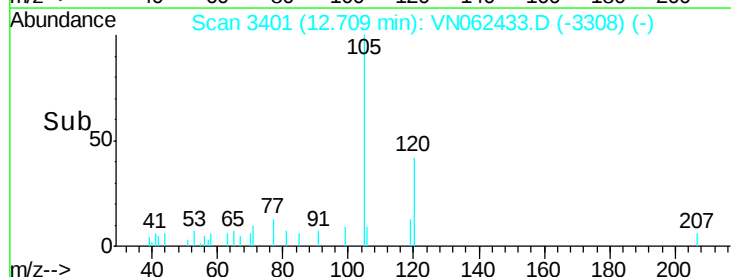


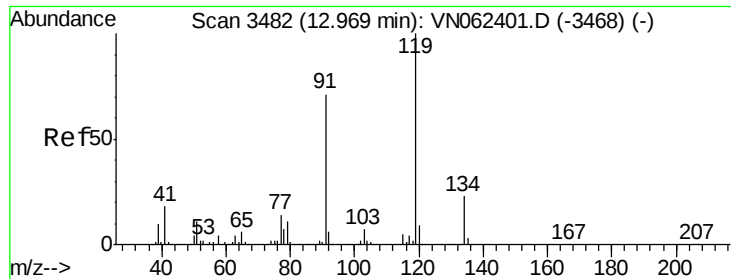
Abundance Ion 105.00 (104.70 to 105.70): VN062401.D (-3385) (-)

Ion 120.00 (119.70 to 120.70): VN062401.D (-3385) (-)

12.71

Time-->





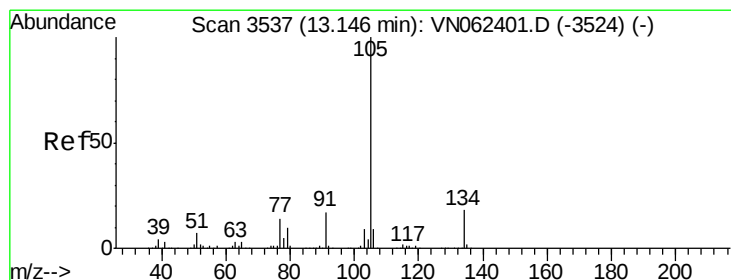
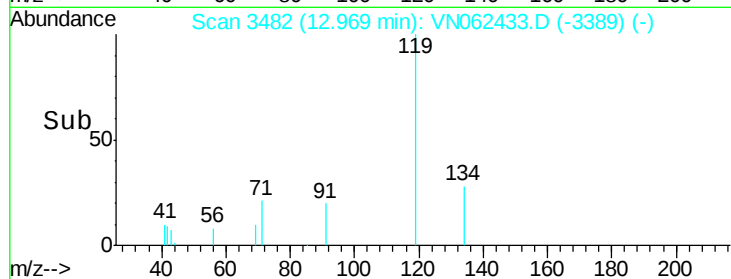
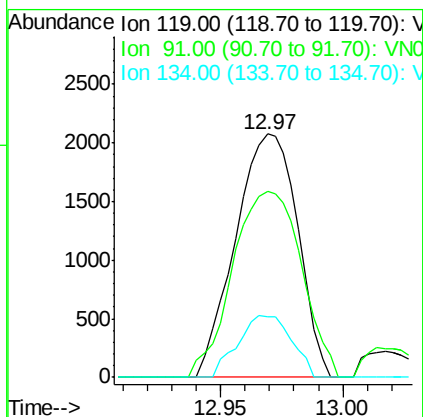
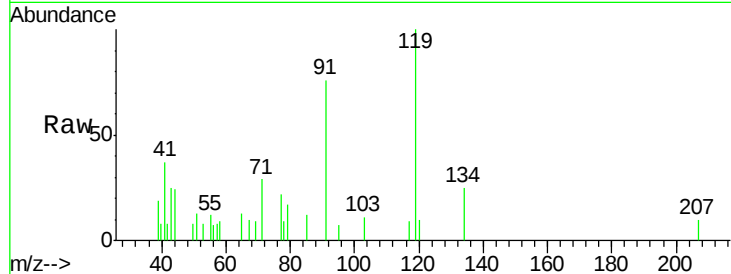
#83
tert-Butylbenzene
Concen: 0.535 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN062433.D
Acq: 9 Jul 2020 2:47

Instrument :
MSVOA_N
ClientSampled :
MW-5

Tot Ion	Ratio	Lower	Upper
119	100		
91	84.5	34.8	104.3
134	21.8	11.7	35.0

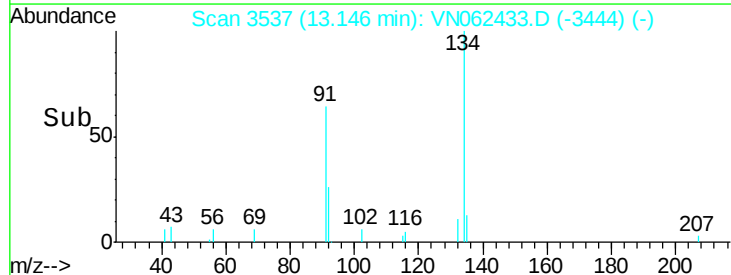
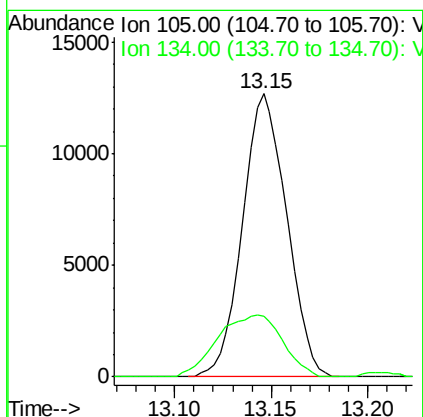
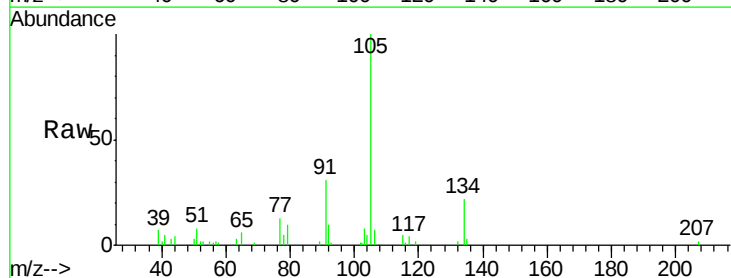
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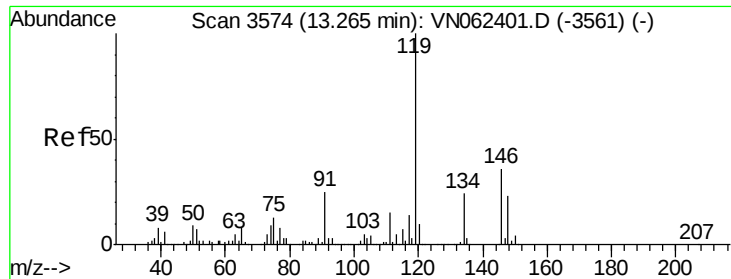
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#85
sec-Butylbenzene
Concen: 2.212 ug/l
RT: 13.15 min Scan# 3537
Delta R.T. 0.00 min
Lab File: VN062433.D
Acq: 9 Jul 2020 2:47

Tgt Ion	Ratio	Lower	Upper
105	100		
134	32.3	9.3	28.0





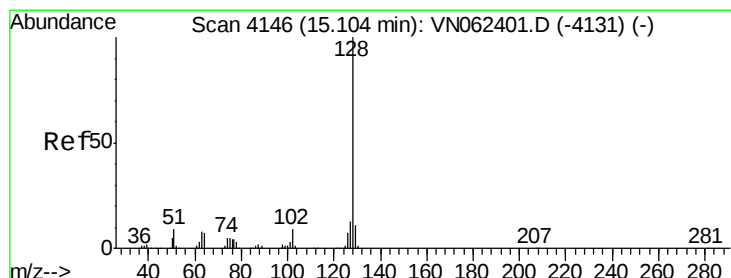
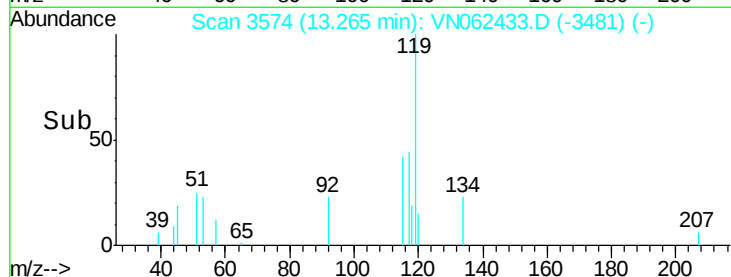
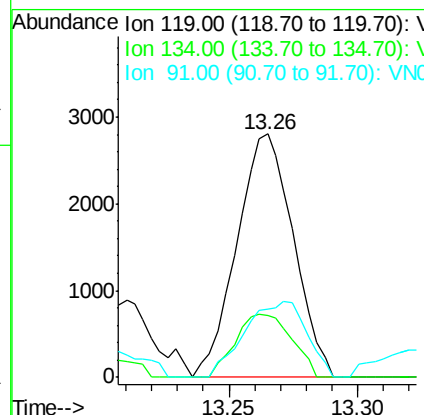
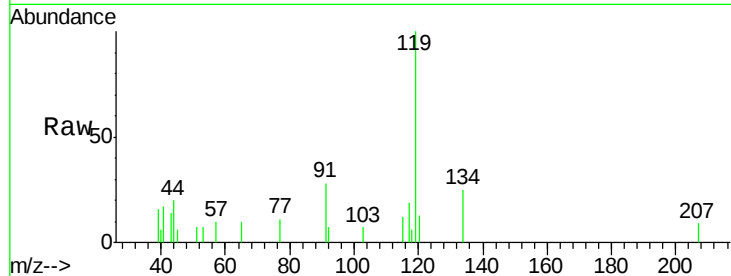
#86
 p-Isopropyltoluene
 Concen: 0.547 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN062433.D
 Acq: 9 Jul 2020 2:47

Instrument :
 MSVOA_N
 ClientSampled :
 MW-5

Tot Ion	Ratio	Resp	Lower	Upper
119	100	4291		
134	0.0	12.4	37.0#	
91	0.0	12.4	37.4#	

Manual Integrations
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 7/9/2020 10:58:44 AM



#95
 Naphthalene
 Concen: 1.504 ug/l
 RT: 15.10 min Scan# 4146
 Delta R.T. 0.00 min
 Lab File: VN062433.D
 Acq: 9 Jul 2020 2:47

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	10018		
127	11.9	10.2	15.2	
129	11.0	8.6	12.8	

