

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091120\
 Data File : VN063314.D
 Acq On : 11 Sep 2020 15:06
 Operator : JC/MD
 Sample : L3988-21
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FC-MW03SR1-20200910

Manual Integrations
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 9/14/2020 12:08:25 PM

Quant Time: Sep 12 06:57:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 11 06:02:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	375703	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	703783	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	680141	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	296560	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	287576	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
35) Dibromofluoromethane	7.55	113	219845	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
50) Toluene-d8	10.06	98	895801	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
62) 4-Bromofluorobenzene	12.38	95	340247	52.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.88%	
Target Compounds						
					Qvalue	
16) Acetone	3.78	43	5458	2.678	ug/l #	78
39) Methylcyclohexane	9.05	83	73582	9.324	ug/l	97
40) Benzene	8.01	78	6487	0.314	ug/l #	89
44) Trichloroethene	8.80	130	2148	0.398	ug/l	93
64) Tetrachloroethene	10.60	164	1592	0.286	ug/l #	89
67) Ethyl Benzene	11.49	91	1379874	52.493	ug/l	100
69) o-Xylene	11.92	106	4645	0.498	ug/l	100
73) Isopropylbenzene	12.23	105	499464	20.880	ug/l	99
78) n-propylbenzene	12.57	91	634859	23.363	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	126975	6.393	ug/l	99
83) tert-Butylbenzene	12.97	119	28664	1.702	ug/l	93
84) 1,2,4-Trimethylbenzene	13.02	105	942818	47.093	ug/l	99
85) sec-Butylbenzene	13.15	105	117872	5.500	ug/l #	77
86) p-Isopropyltoluene	13.27	119	5559m	0.283	ug/l	
87) 1,3-Dichlorobenzene	13.26	146	2758	0.274	ug/l	91
89) n-Butylbenzene	13.59	91	60666	3.420	ug/l #	76
91) 1,2-Dichlorobenzene	13.63	146	18915	1.904	ug/l	95
95) Naphthalene	15.11	128	925286	52.965	ug/l	100

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

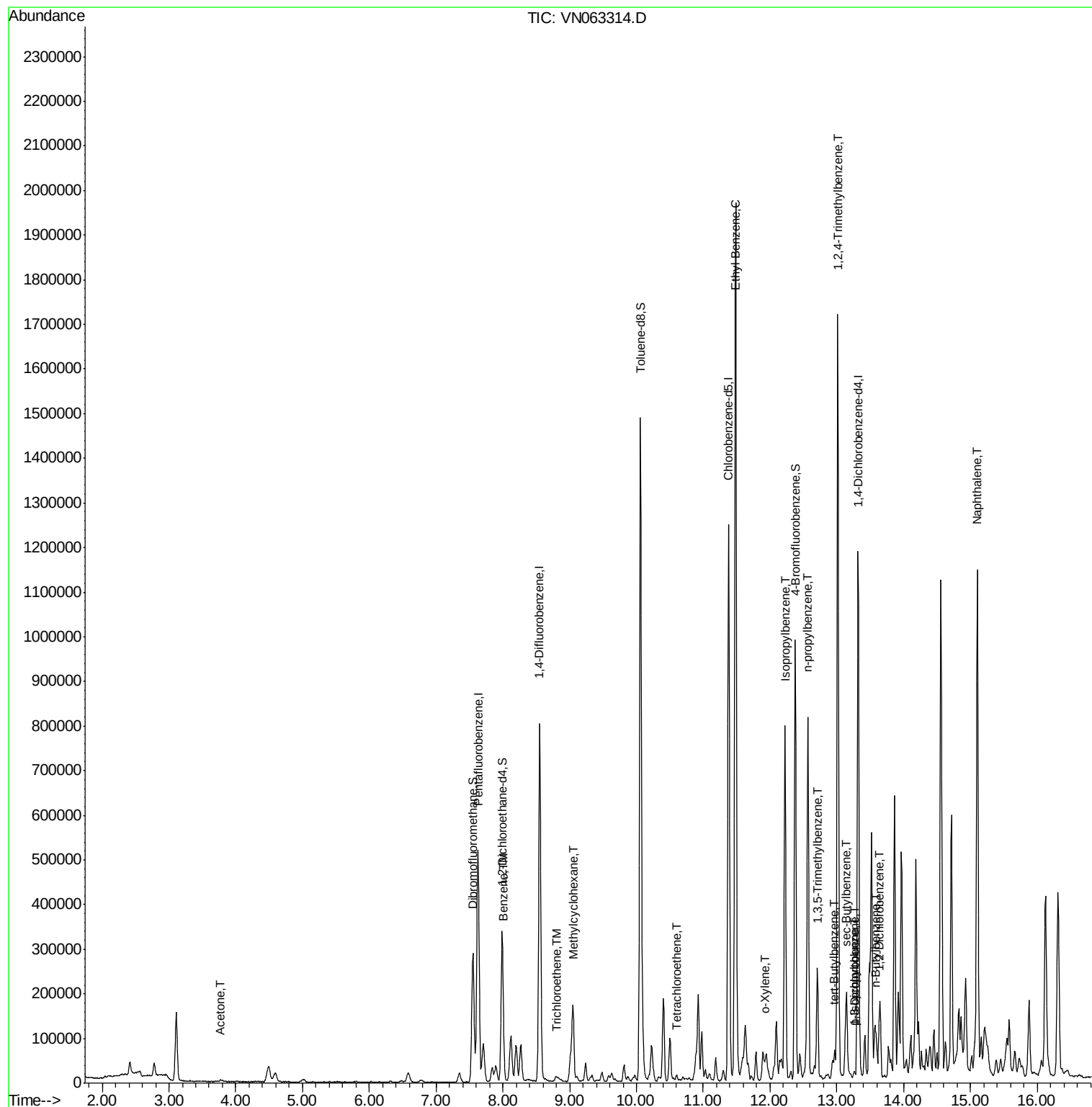
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091120\
Data File : VN063314.D
Acq On : 11 Sep 2020 15:06
Operator : JC/MD
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

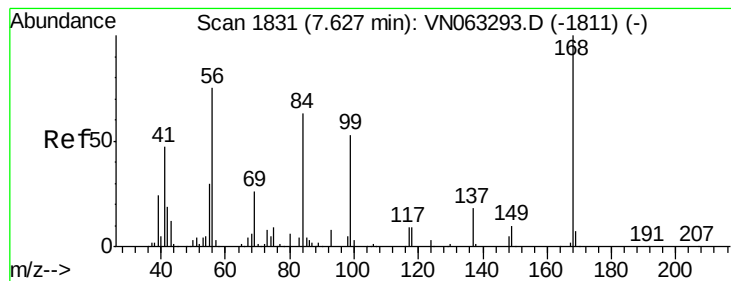
Instrument :
MSVOA_N
ClientSampleId :
FC-MW03SR1-20200910

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Quant Time: Sep 12 06:57:09 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 11 06:02:56 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: VN063314.D

Acq: 11 Sep 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

FC-MW03SR1-20200910

Tot Ion:168 Resp: 375703

Ion Ratio Lower Upper

168 100

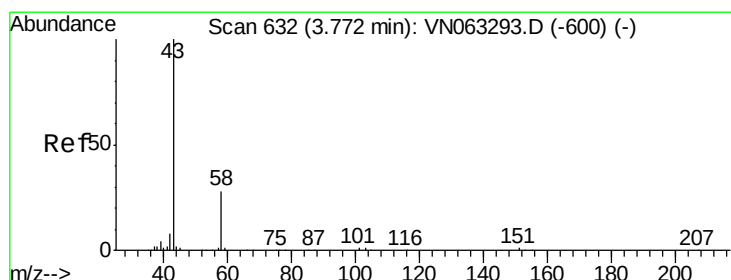
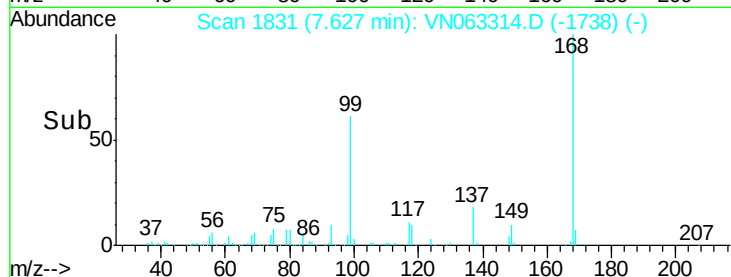
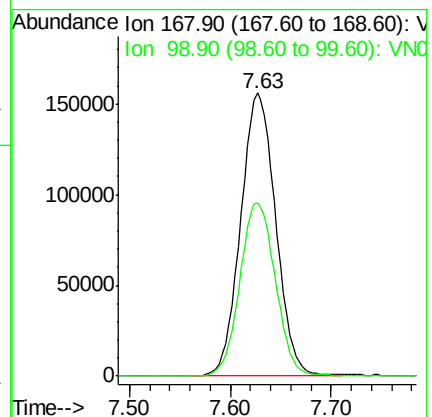
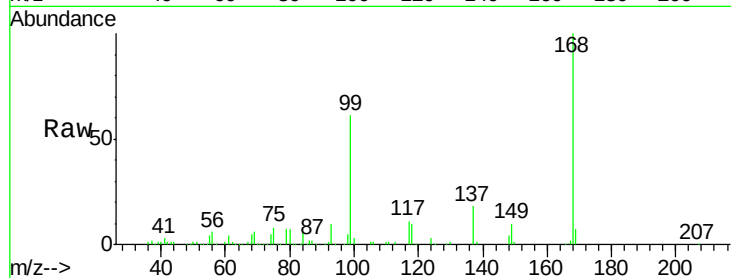
99 61.2 51.1 76.7

Manual Integrations

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#16

Acetone

Concen: 2.678 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN063314.D

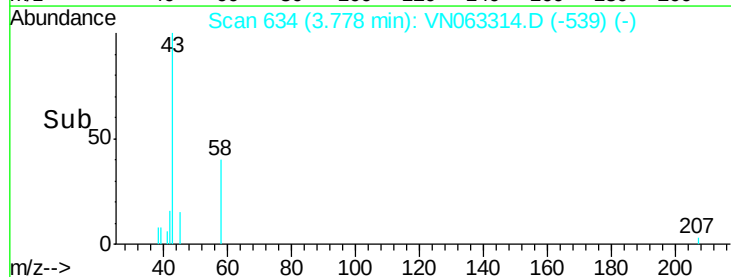
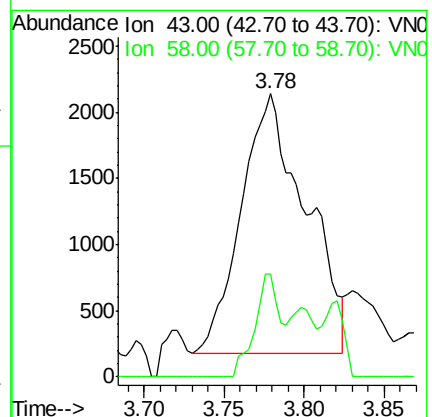
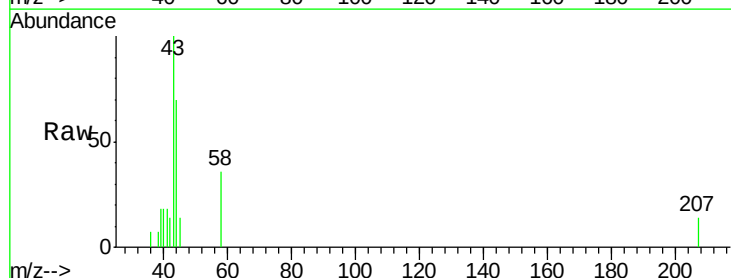
Acq: 11 Sep 2020 15:06

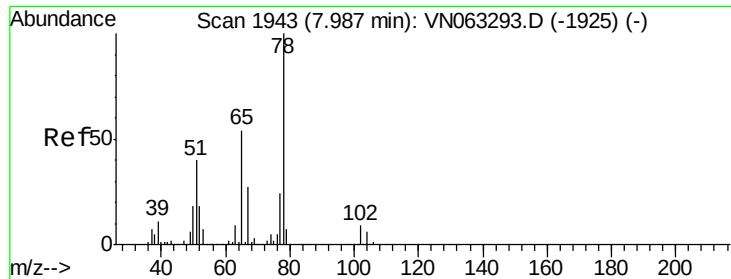
Tgt Ion: 43 Resp: 5458

Ion Ratio Lower Upper

43 100

58 39.8 22.6 34.0#





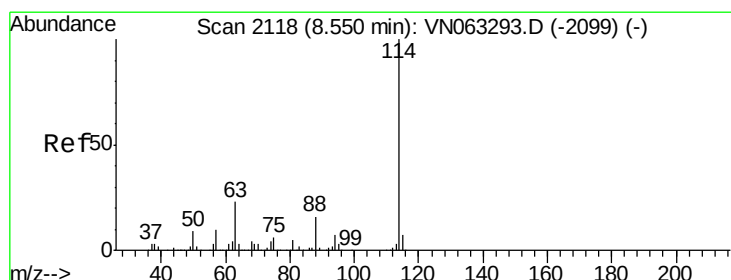
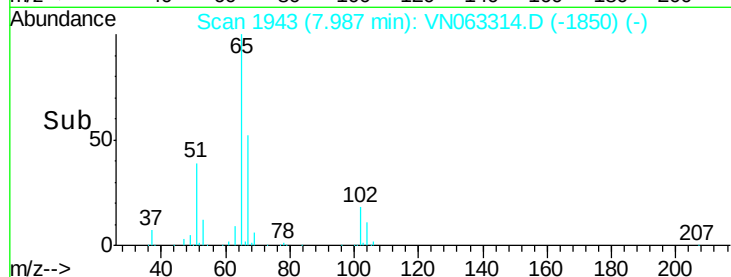
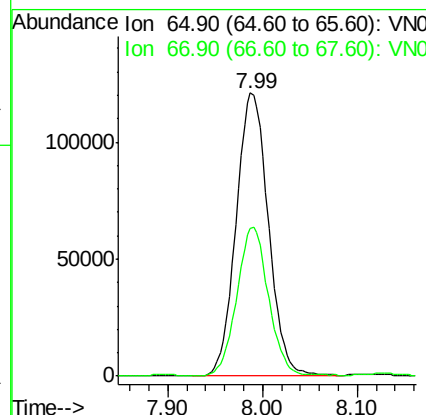
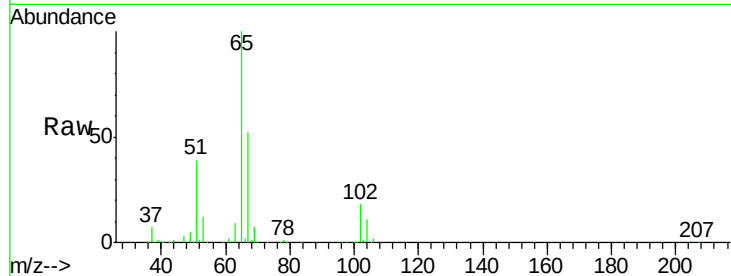
#33
 1,2-Dichloroethane-d4
 Concen: 48.719 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063314.D
 Acq: 11 Sep 2020 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 FC-MW03SR1-20200910

Tot Ion	Ratio	Resp	Lower	Upper
65	100	287576		
67	51.8	0.0	104.6	

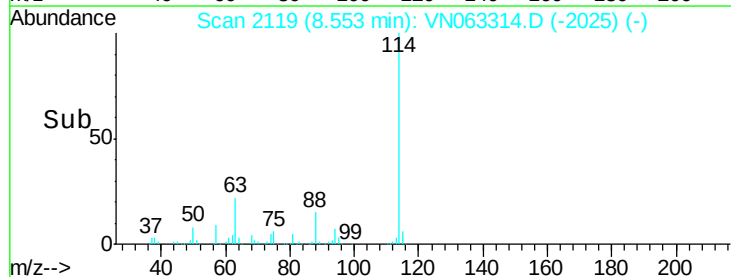
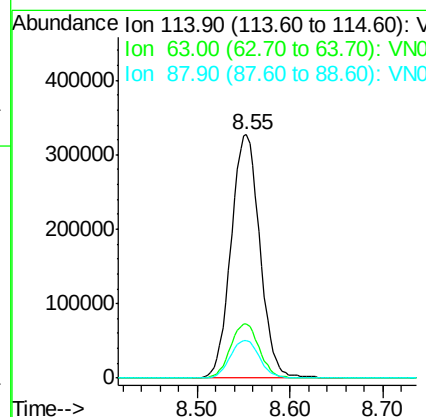
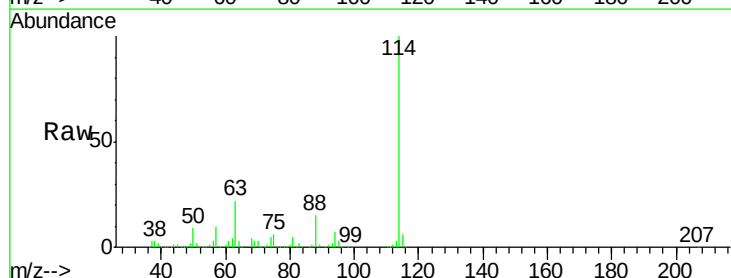
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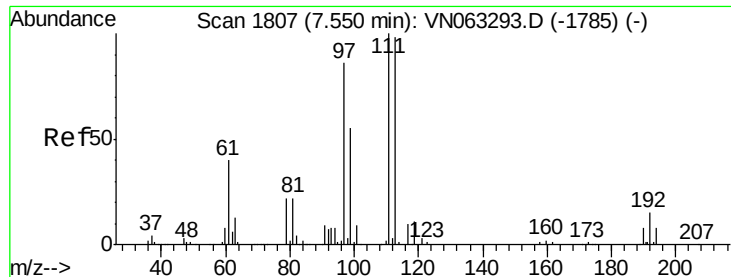
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN063314.D
 Acq: 11 Sep 2020 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	703783		
63	22.2	0.0	46.0	
88	15.4	0.0	32.8	





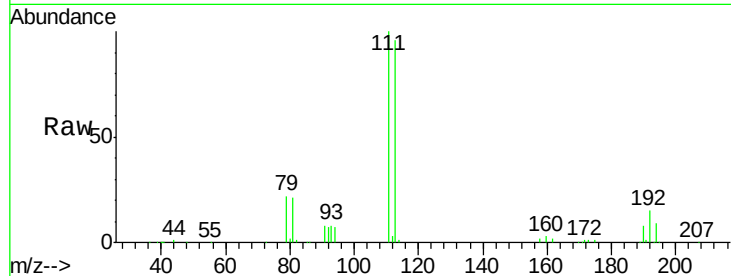
#35
 Dibromofluoromethane
 Concen: 48.421 ug/l
 RT: 7.55 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: VN063314.D
 Acq: 11 Sep 2020 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 FC-MW03SR1-20200910

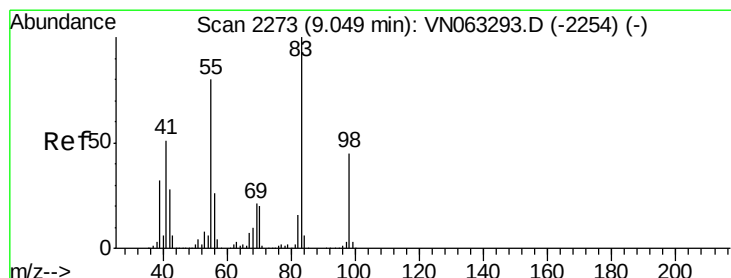
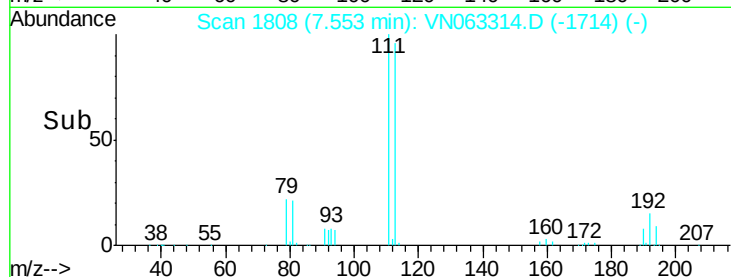
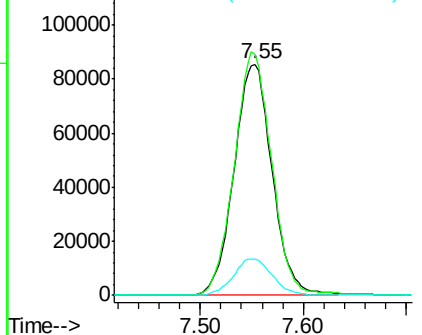
Tot Ion	Ratio	Resp	Lower	Upper
113	100	219845		
111	102.8	82.2	123.2	
192	16.3	12.9	19.3	

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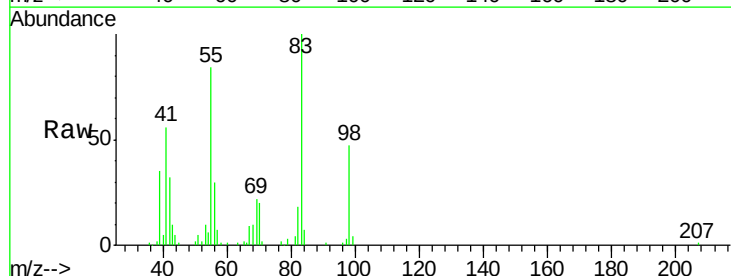


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

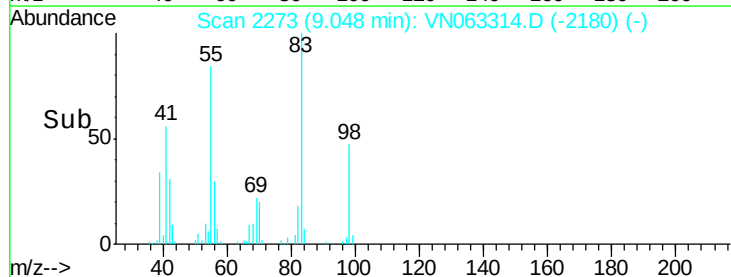
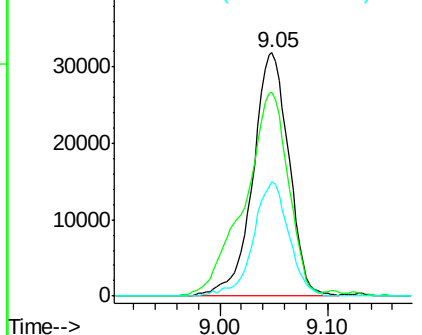


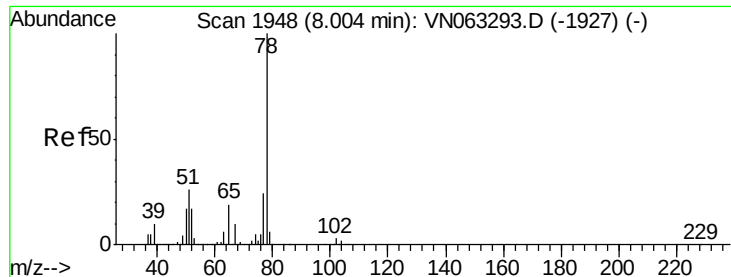
#39
 Methylcyclohexane
 Concen: 9.324 ug/l
 RT: 9.05 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN063314.D
 Acq: 11 Sep 2020 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	73582		
55	82.6	64.0	96.0	
98	46.9	36.4	54.6	



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





#40

Benzene

Concen: 0.314 ug/l

RT: 8.01 min Scan# 1950

Delta R.T. 0.01 min

Lab File: VN063314.D

Acq: 11 Sep 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

FC-MW03SR1-20200910

Tot Ion: 78 Resp: 6487

Ion Ratio Lower Upper

78 100

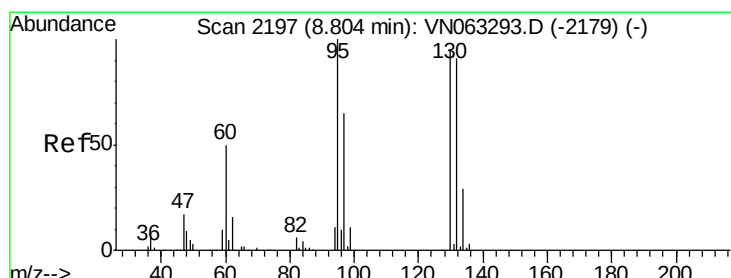
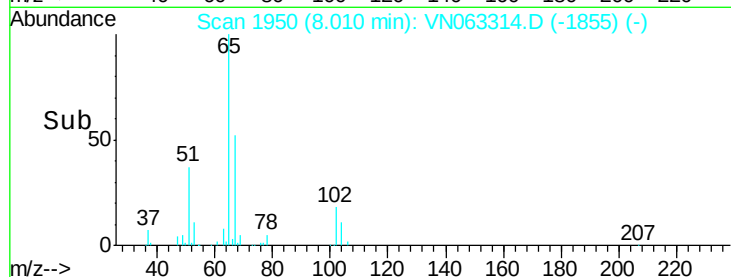
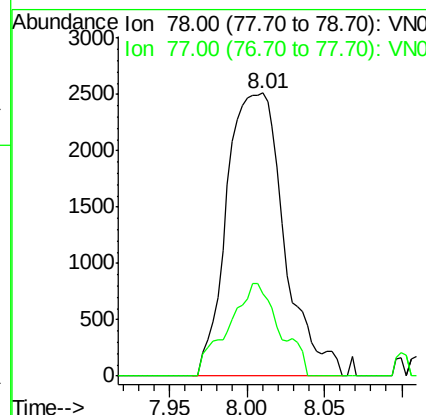
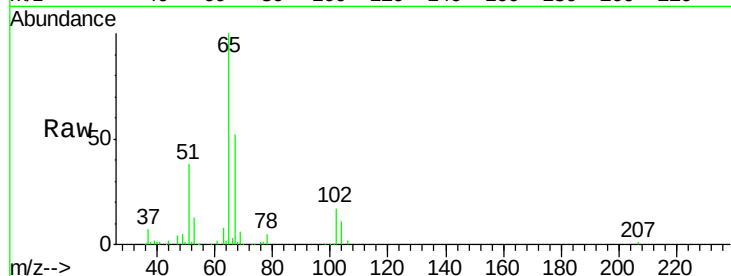
77 28.9 18.8 28.2#

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#44

Trichloroethene

Concen: 0.398 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN063314.D

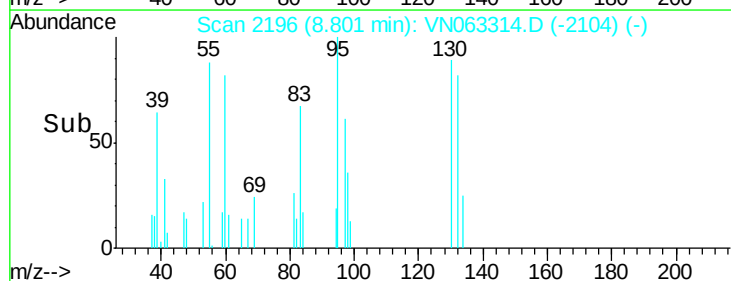
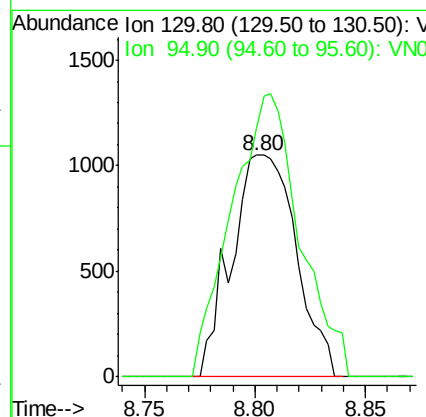
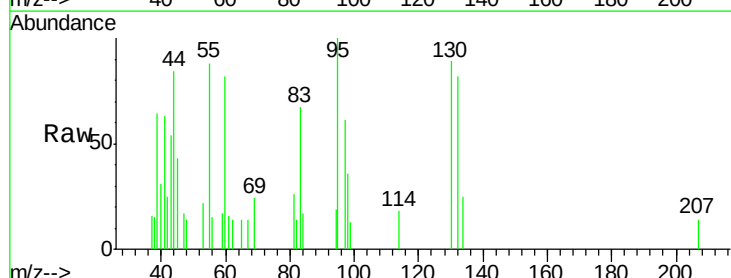
Acq: 11 Sep 2020 15:06

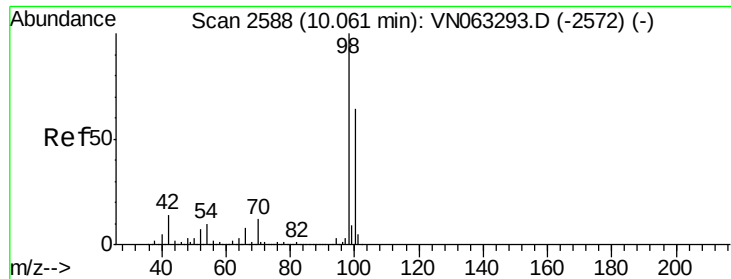
Tgt Ion: 130 Resp: 2148

Ion Ratio Lower Upper

130 100

95 112.3 0.0 210.8





#50

Toluene-d8

Concen: 51.484 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. -0.00 min

Lab File: VN063314.D

Acq: 11 Sep 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

FC-MW03SR1-20200910

Tot Ion: 98 Resp: 895801

Ion Ratio Lower Upper

98 100

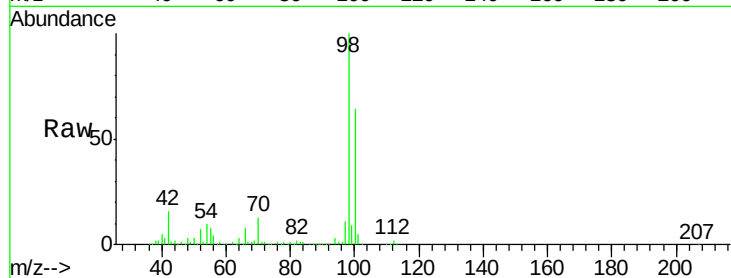
100 63.3 50.7 76.1

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Abundance Ion 98.00 (97.70 to 98.70): VN063314.D (-2495) (-)

Ion 100.00 (99.70 to 100.70): VN063314.D (-2495) (-)

10.06

500000

400000

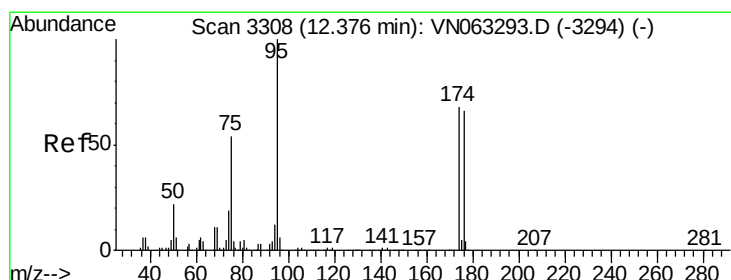
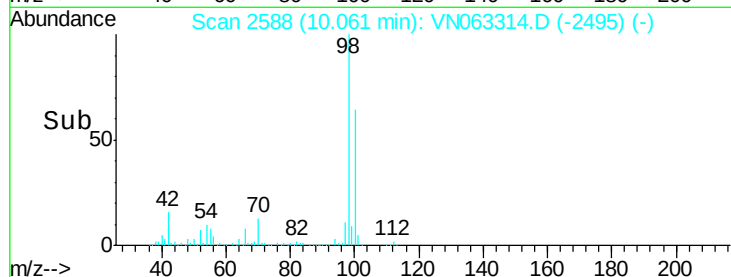
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.944 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063314.D

Acq: 11 Sep 2020 15:06

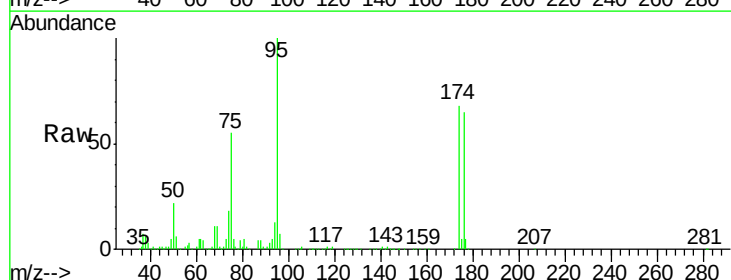
Tgt Ion: 95 Resp: 340247

Ion Ratio Lower Upper

95 100

174 71.3 0.0 136.6

176 67.6 0.0 132.8



Abundance Ion 94.90 (94.60 to 95.60): VN063314.D (-3215) (-)

Ion 173.80 (173.50 to 174.50): VN063314.D (-3215) (-)

Ion 175.80 (175.50 to 176.50): VN063314.D (-3215) (-)

12.38

250000

200000

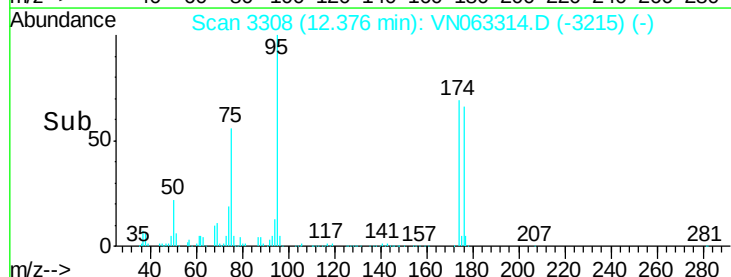
150000

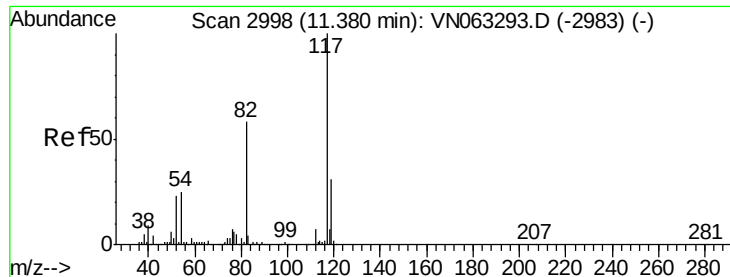
100000

50000

0

Time-->





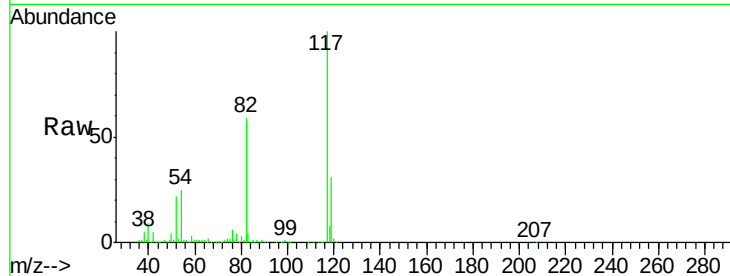
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063314.D
Acq: 11 Sep 2020 15:06

Instrument :
MSVOA_N
ClientSampleId :
FC-MW03SR1-20200910

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.5	46.4	69.6
119	31.1	24.8	37.2

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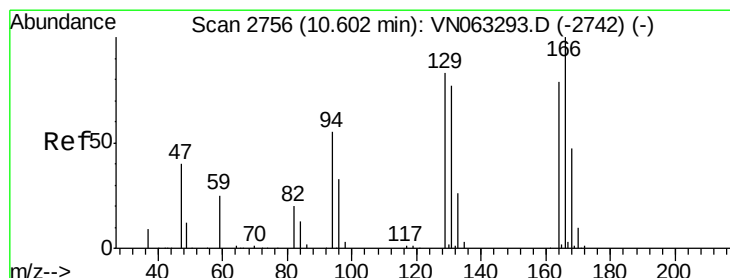
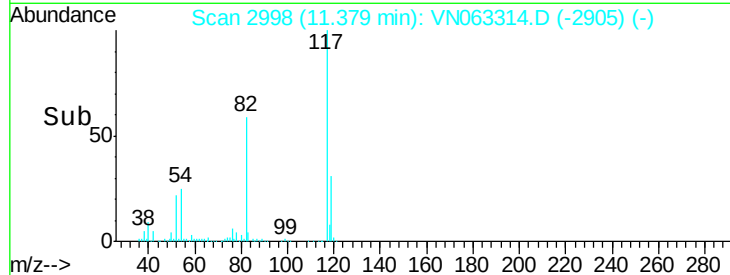
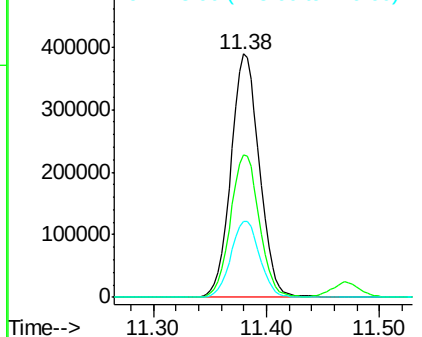


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 0.286 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN063314.D
Acq: 11 Sep 2020 15:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.2	101.3	151.9
129	111.7	83.7	125.5
131	117.8	78.2	117.4#

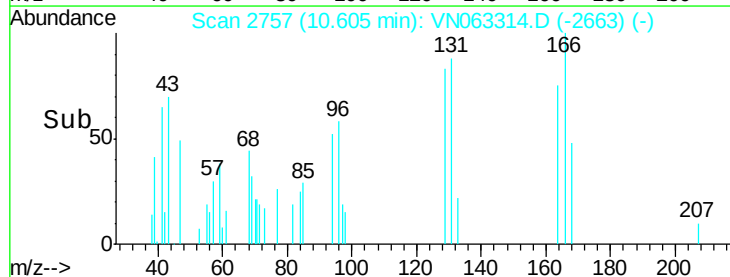
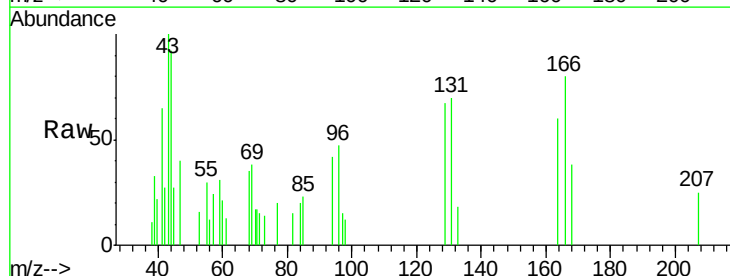
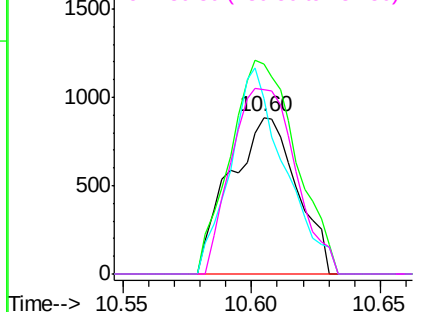
Abundance

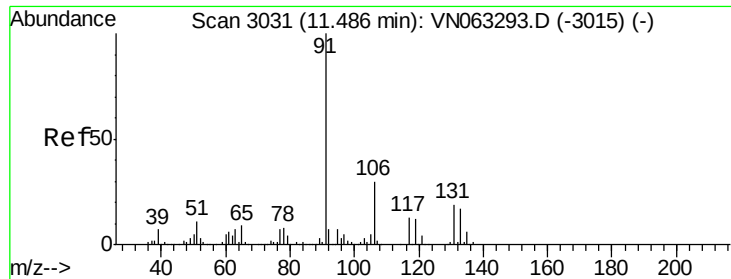
Ion 163.80 (163.50 to 164.50): V

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





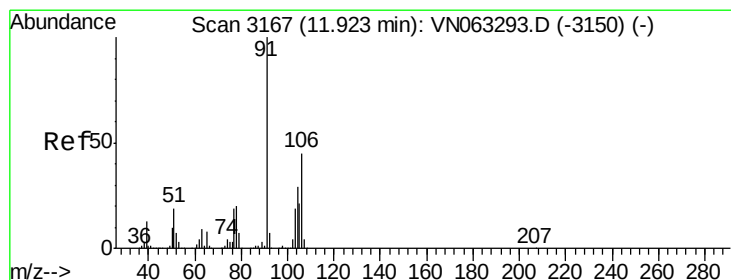
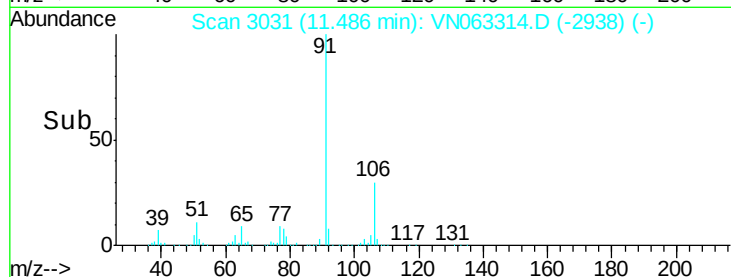
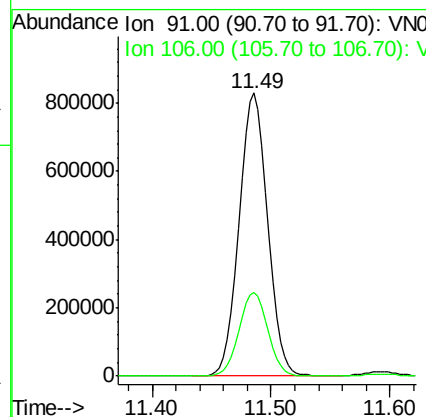
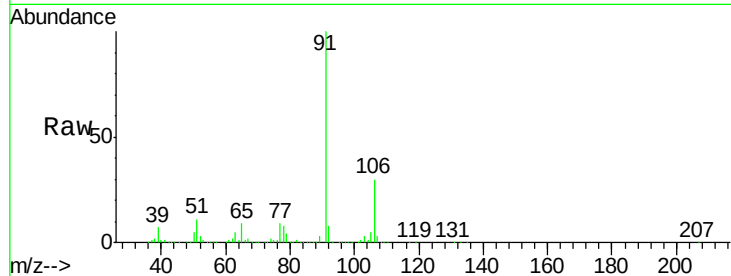
#67
Ethyl Benzene
Concen: 52.493 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. -0.00 min
Lab File: VN063314.D
Acq: 11 Sep 2020 15:06

Instrument :
MSVOA_N
ClientSampleId :
FC-MW03SR1-20200910

Tot Ion: 91 Resp: 1379874
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.6

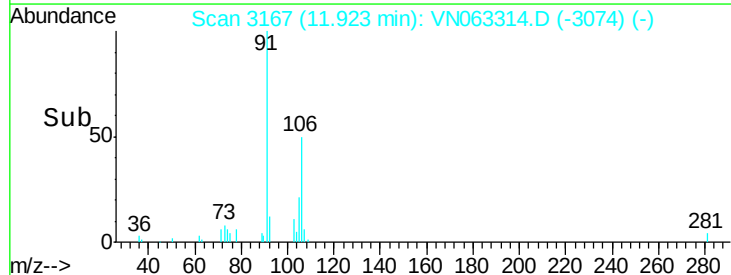
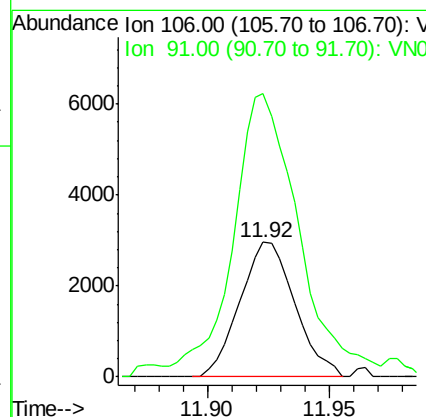
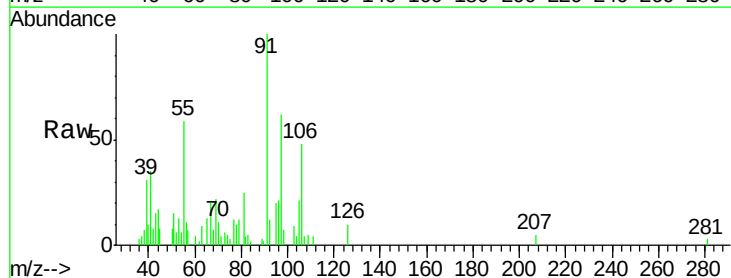
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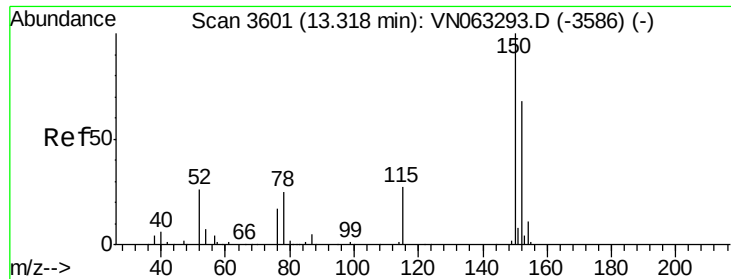
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#69
o-Xylene
Concen: 0.498 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN063314.D
Acq: 11 Sep 2020 15:06

Tgt Ion: 106 Resp: 4645
Ion Ratio Lower Upper
106 100
91 223.4 111.5 334.4





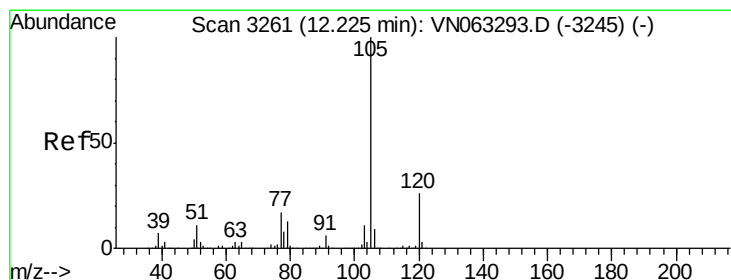
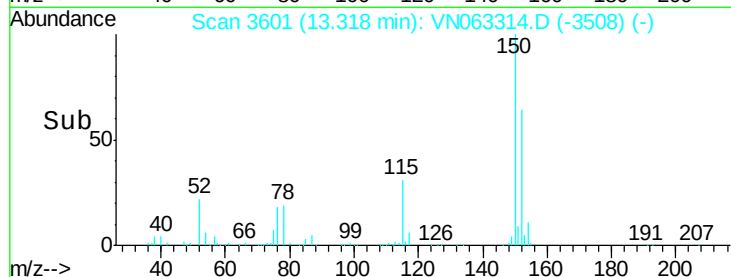
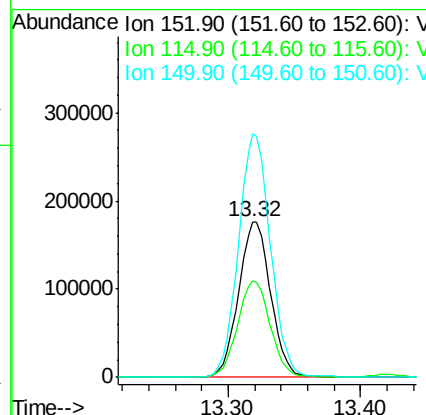
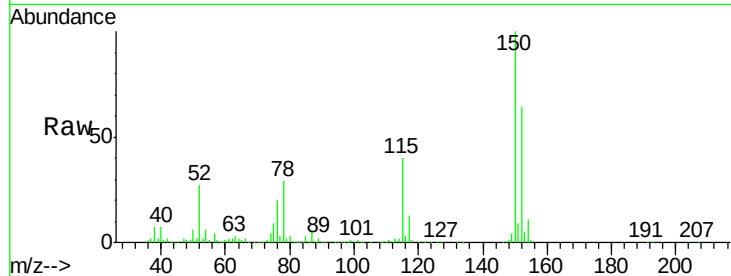
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VN063314.D
 Acq: 11 Sep 2020 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 FC-MW03SR1-20200910

Tot Ion	Ratio	Resp	Lower	Upper
152	100	296560		
115	62.6	31.5	94.5	
150	156.0	0.0	344.0	

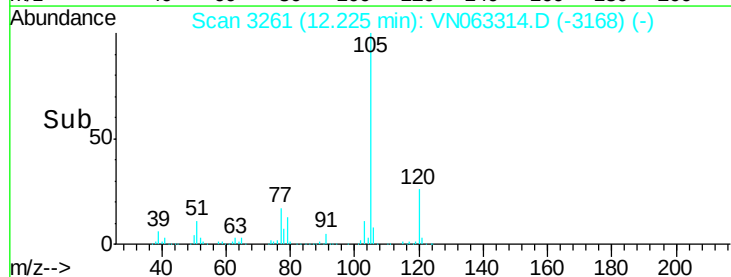
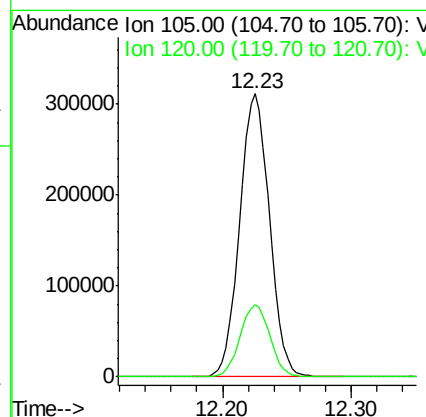
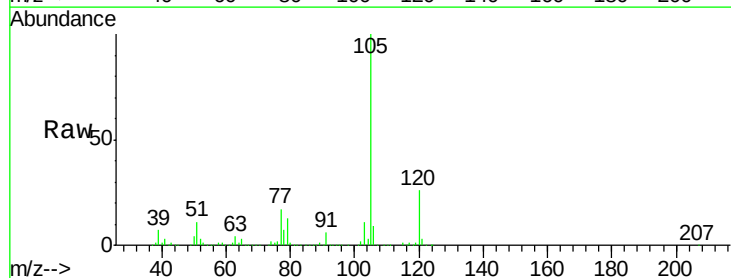
Manual Integrations
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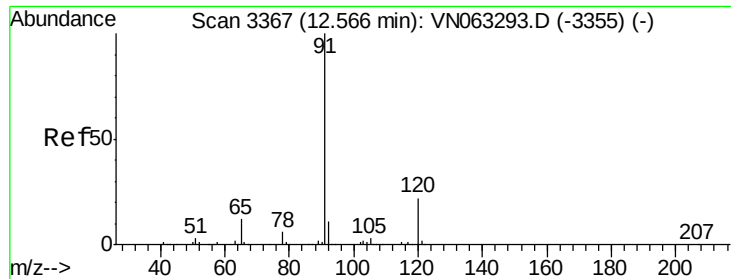
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#73
 Isopropylbenzene
 Concen: 20.880 ug/l
 RT: 12.23 min Scan# 3261
 Delta R.T. -0.00 min
 Lab File: VN063314.D
 Acq: 11 Sep 2020 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	499464		
120	25.6	13.0	38.9	





#78

n-propylbenzene

Concen: 23.363 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063314.D

Acq: 11 Sep 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

FC-MW03SR1-20200910

Tot Ion: 91 Resp: 634859

Ion Ratio Lower Upper

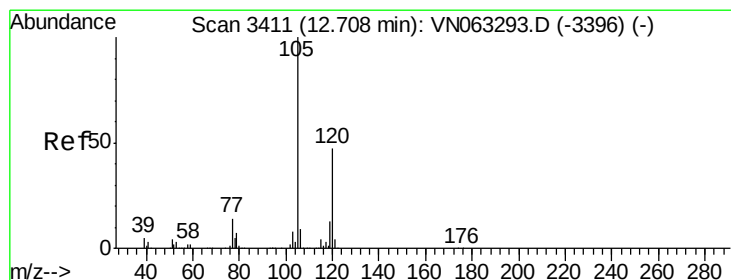
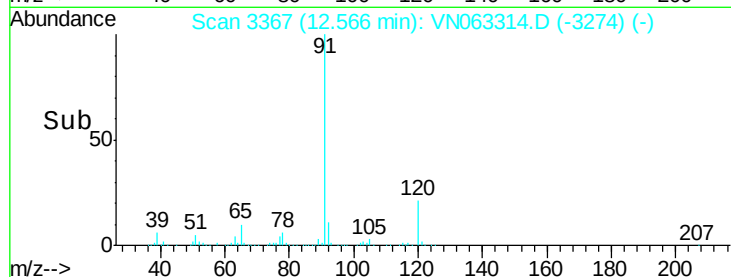
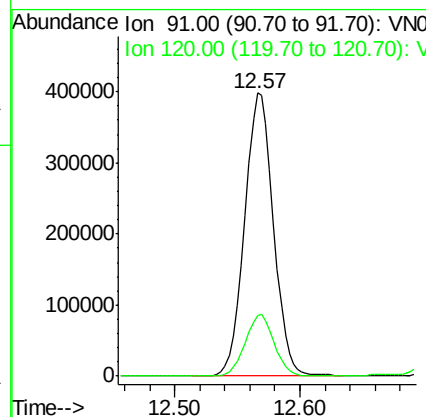
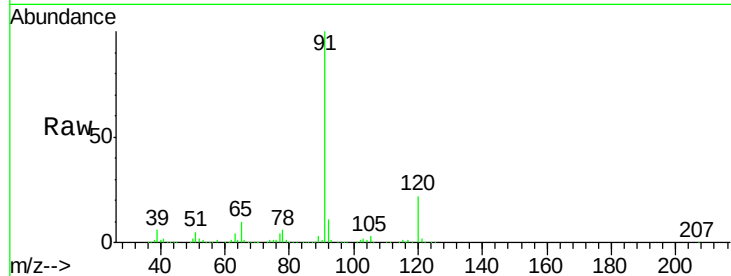
91 100

120 21.9 11.1 33.3

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 6.393 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063314.D

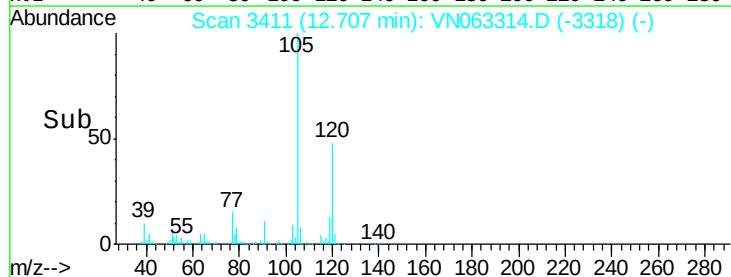
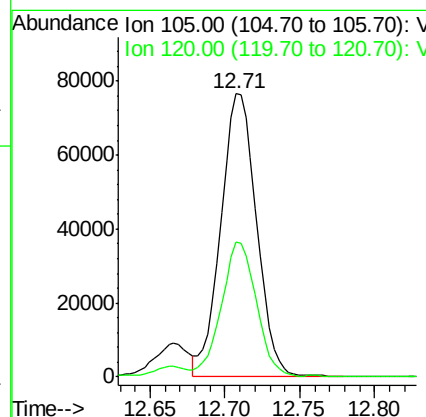
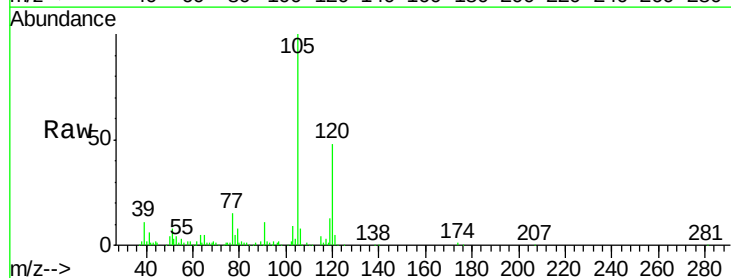
Acq: 11 Sep 2020 15:06

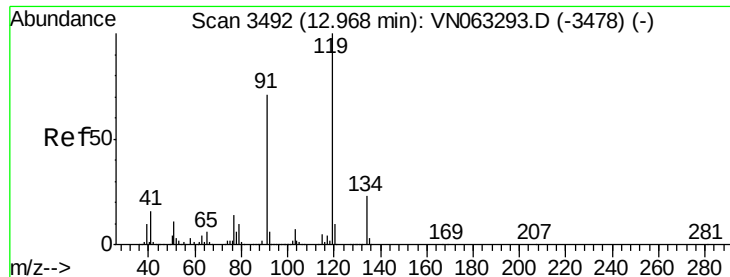
Tgt Ion: 105 Resp: 126975

Ion Ratio Lower Upper

105 100

120 46.4 23.4 70.0





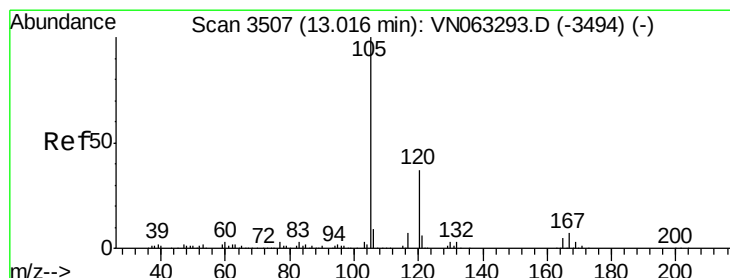
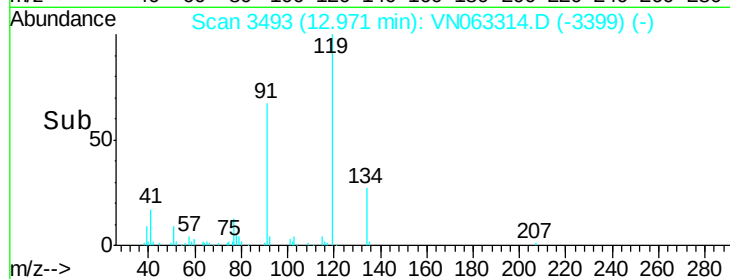
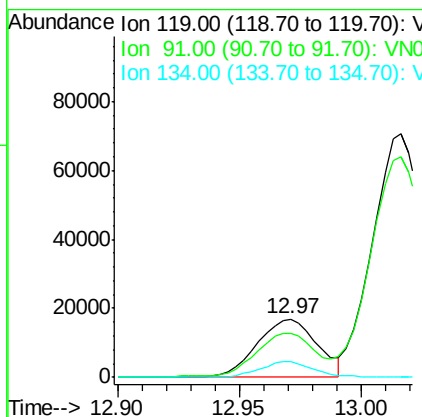
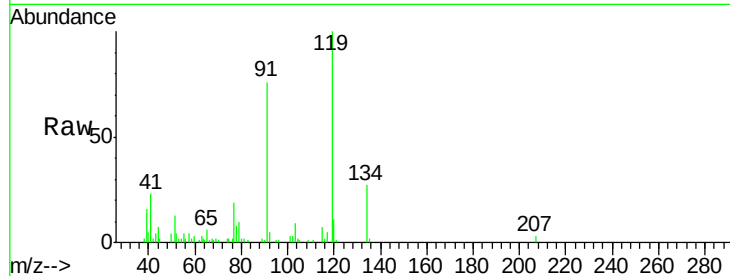
#83
 tert-Butylbenzene
 Concen: 1.702 ug/l
 RT: 12.97 min Scan# 3493
 Delta R.T. 0.00 min
 Lab File: VN063314.D
 Acq: 11 Sep 2020 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 FC-MW03SR1-20200910

Tot Ion:	119	Resp:	28664
Ion Ratio	Lower	Upper	
119	100		
91	76.8	34.8	104.3
134	24.6	11.9	35.5

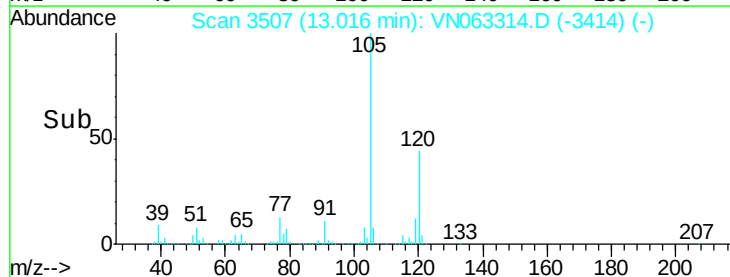
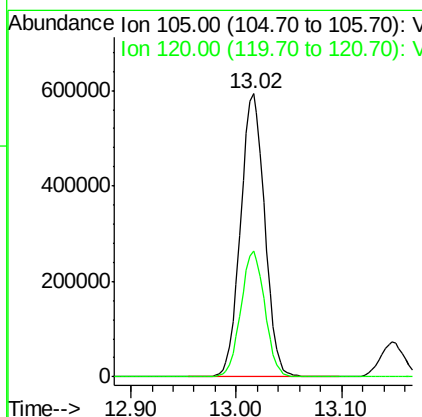
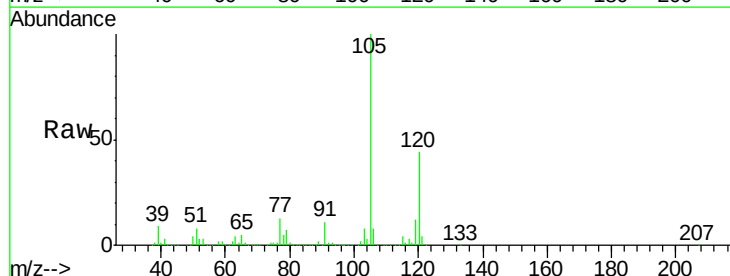
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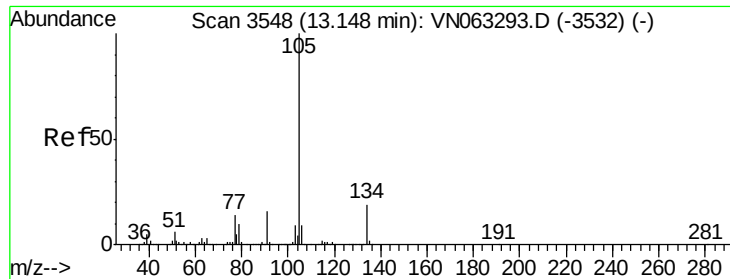
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.093 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. -0.00 min
 Lab File: VN063314.D
 Acq: 11 Sep 2020 15:06

Tgt Ion:	105	Resp:	942818
Ion Ratio	Lower	Upper	
105	100		
120	44.3	21.8	65.4





#85

sec-Butylbenzene

Concen: 5.500 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. -0.00 min

Lab File: VN063314.D

Acq: 11 Sep 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

FC-MW03SR1-20200910

Tot Ion:105 Resp: 117872
Ion Ratio Lower Upper

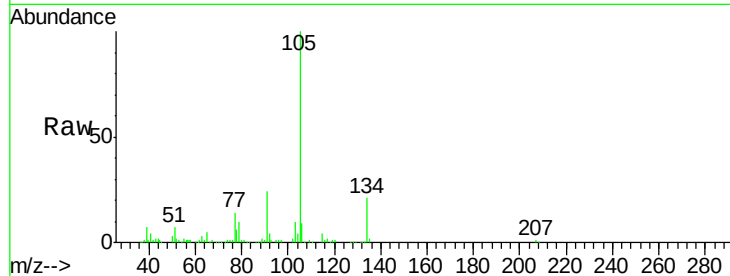
105 100

134 29.4 9.4 28.3#

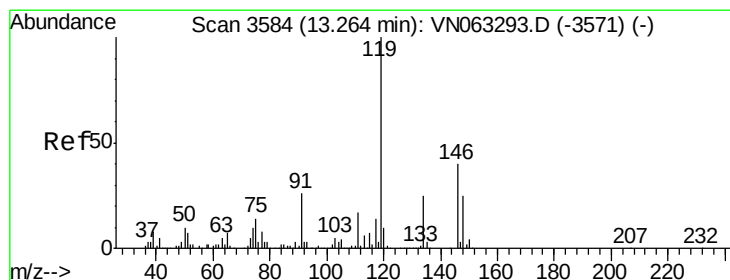
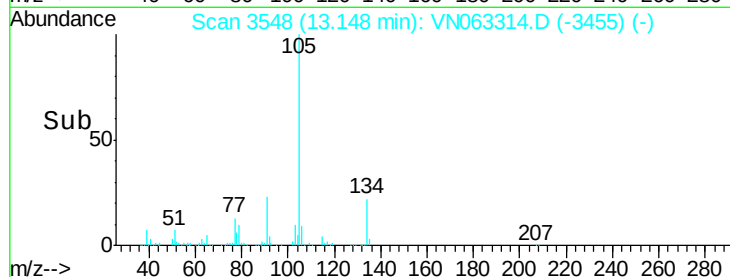
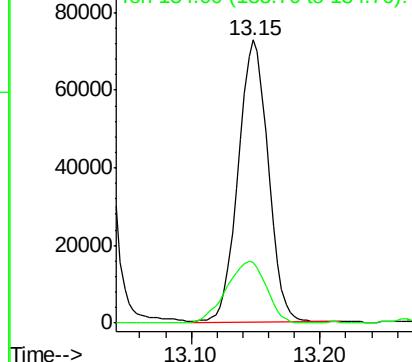
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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.283 ug/l m

RT: 13.27 min Scan# 3585

Delta R.T. 0.00 min

Lab File: VN063314.D

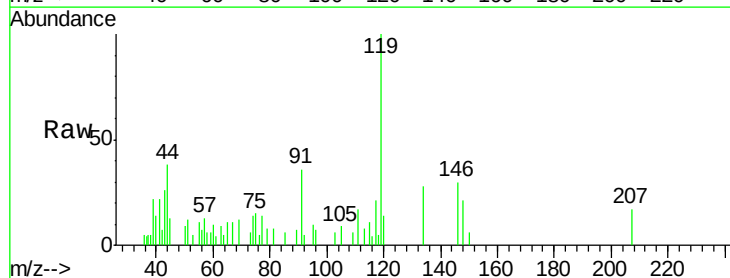
Acq: 11 Sep 2020 15:06

Tgt Ion:119 Resp: 5559
Ion Ratio Lower Upper

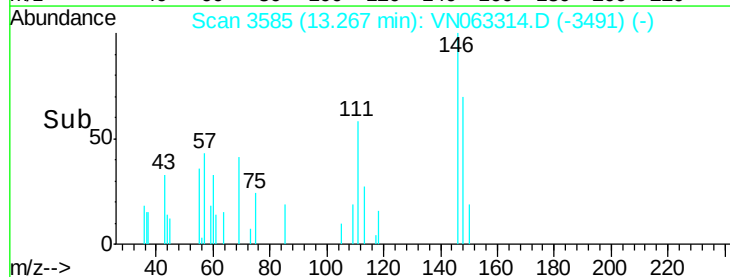
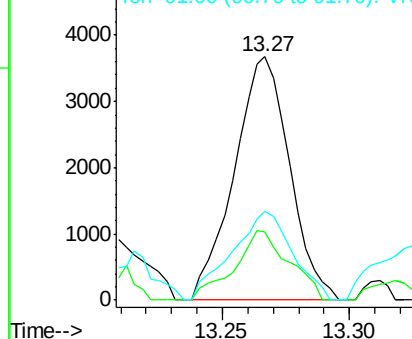
119 100

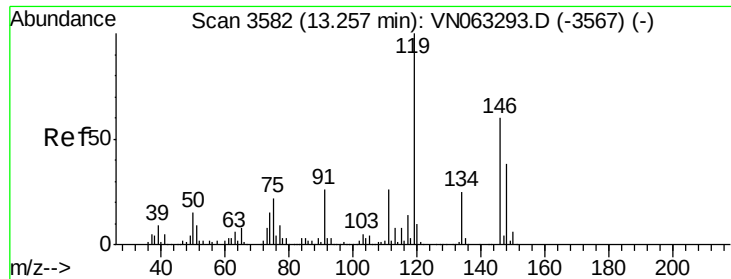
134 220.5 12.6 37.8#

91 253.1 12.8 38.3#



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V





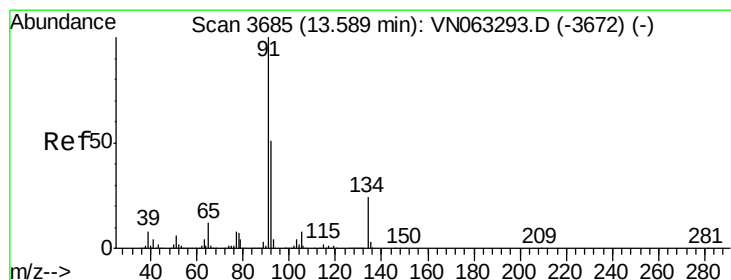
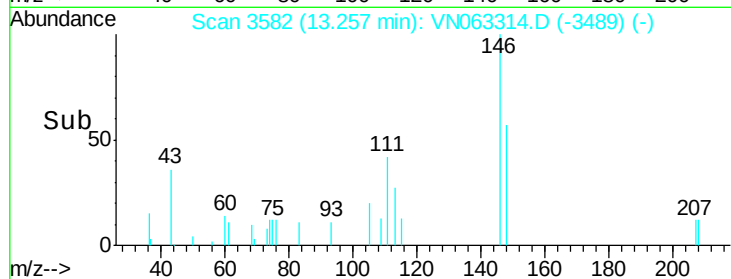
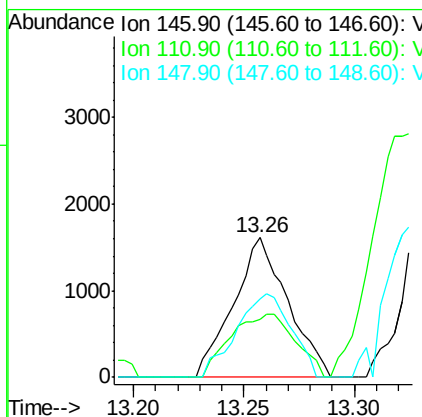
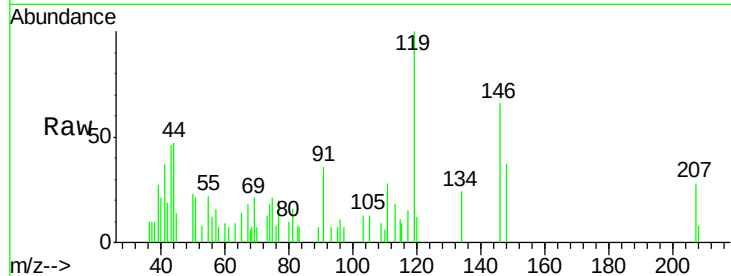
#87
 1,3-Dichlorobenzene
 Concen: 0.274 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063314.D
 Acq: 11 Sep 2020 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 FC-MW03SR1-20200910

Tot Ion	Ratio	Lower	Upper
146	100		
111	54.0	21.8	65.4
148	60.2	31.8	95.4

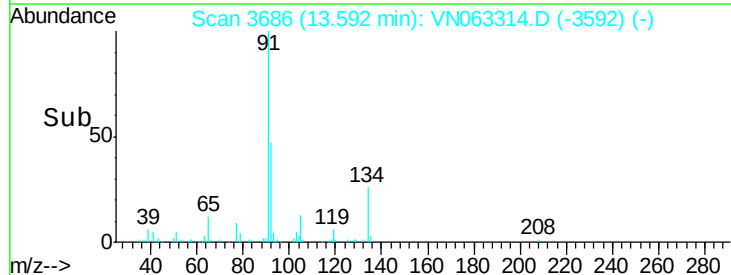
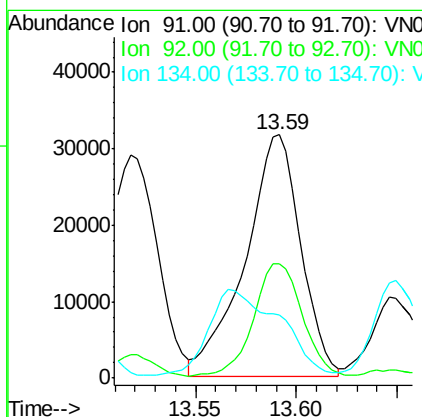
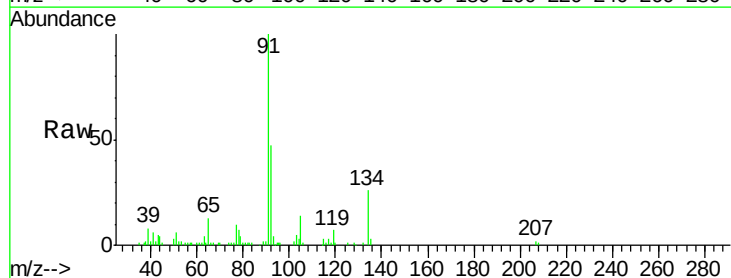
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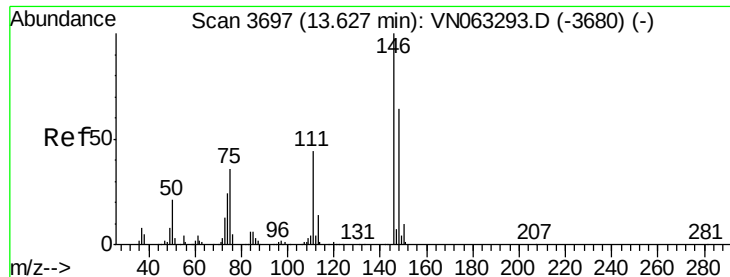
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#89
 n-Butylbenzene
 Concen: 3.420 ug/l
 RT: 13.59 min Scan# 3686
 Delta R.T. 0.00 min
 Lab File: VN063314.D
 Acq: 11 Sep 2020 15:06

Tgt Ion	Ratio	Lower	Upper
91	100		
92	42.9	25.8	77.3
134	0.0	12.0	36.0#





#91

1,2-Dichlorobenzene

Concen: 1.904 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN063314.D

Acq: 11 Sep 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

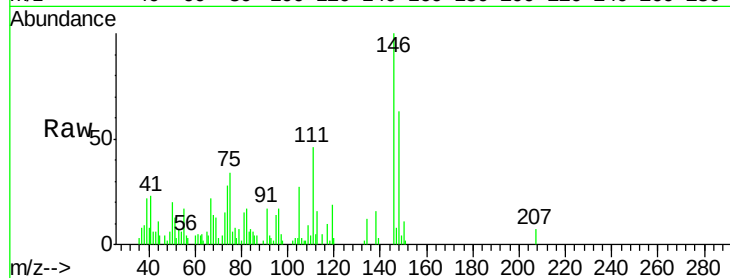
FC-MW03SR1-20200910

Tot Ion:	146	Resp:	18915
Ion Ratio		Lower	Upper
146	100		
111	46.9	22.1	66.5
148	67.9	31.8	95.3

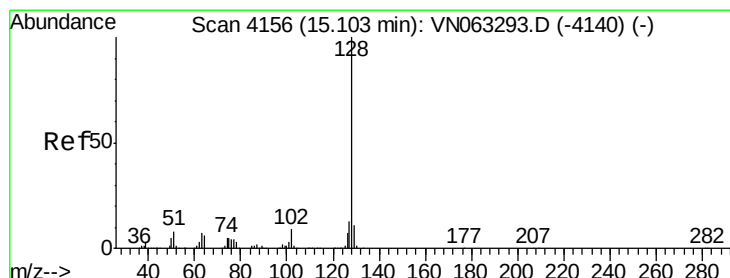
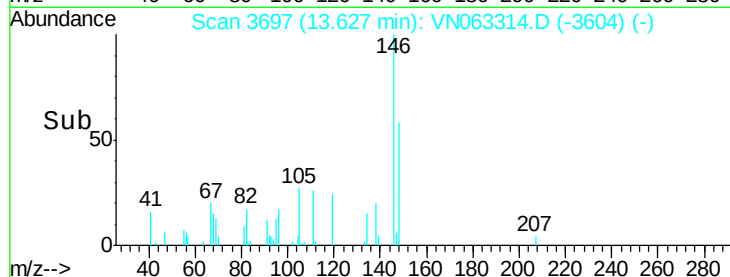
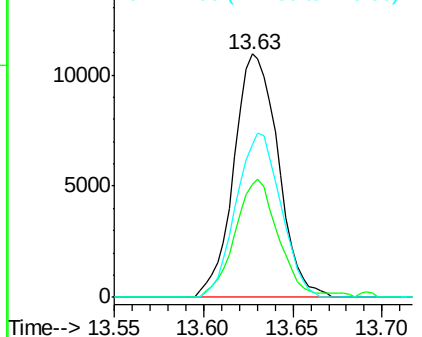
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#95

Naphthalene

Concen: 52.965 ug/l

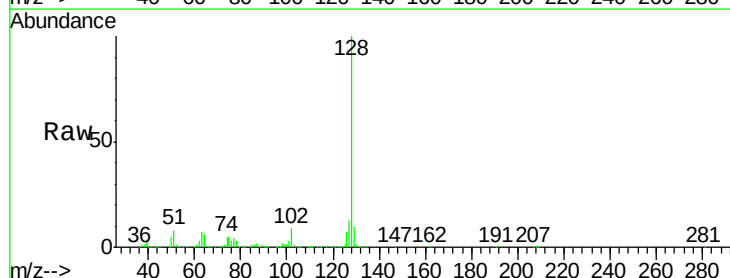
RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN063314.D

Acq: 11 Sep 2020 15:06

Tgt Ion:	128	Resp:	925286
Ion Ratio		Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.6	8.6	12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

