

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082620\
 Data File : VD066426.D
 Acq On : 26 Aug 2020 17:50
 Operator : VA/SY
 Sample : L3787-01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20071

Manual Integrations
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MMDadoda
 8/27/2020 3:15:25 PM

Quant Time: Aug 27 09:16:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	37189	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	77701	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	15748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	4835	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	61587	168.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	337.84%	
35) Dibromofluoromethane	7.91	113	42340	87.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	174.28%	
50) Toluene-d8	10.33	98	36106	20.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.62%	
62) 4-Bromofluorobenzene	12.63	95	3538	5.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.22%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	5.21	59	295573	17101.737	ug/l	98
16) Acetone	4.16	43	1389m	21.131	ug/l	
20) Methylene Chloride	4.97	84	14087	38.670	ug/l #	88
39) Methylcyclohexane	9.35	83	1395	1.670	ug/l #	63
52) Toluene	10.40	92	3783	2.994	ug/l	86
67) Ethyl Benzene	11.74	91	1973	3.578	ug/l #	86
68) m/p-Xylenes	11.85	106	3434	16.336	ug/l	91
69) o-Xylene	12.18	106	1427	7.297	ug/l	98
78) n-propylbenzene	12.83	91	1692	4.556	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	3311	11.840	ug/l	91
84) 1,2,4-Trimethylbenzene	13.27	105	8441	30.731	ug/l	99
85) sec-Butylbenzene	13.41	105	2478	7.786	ug/l	100

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

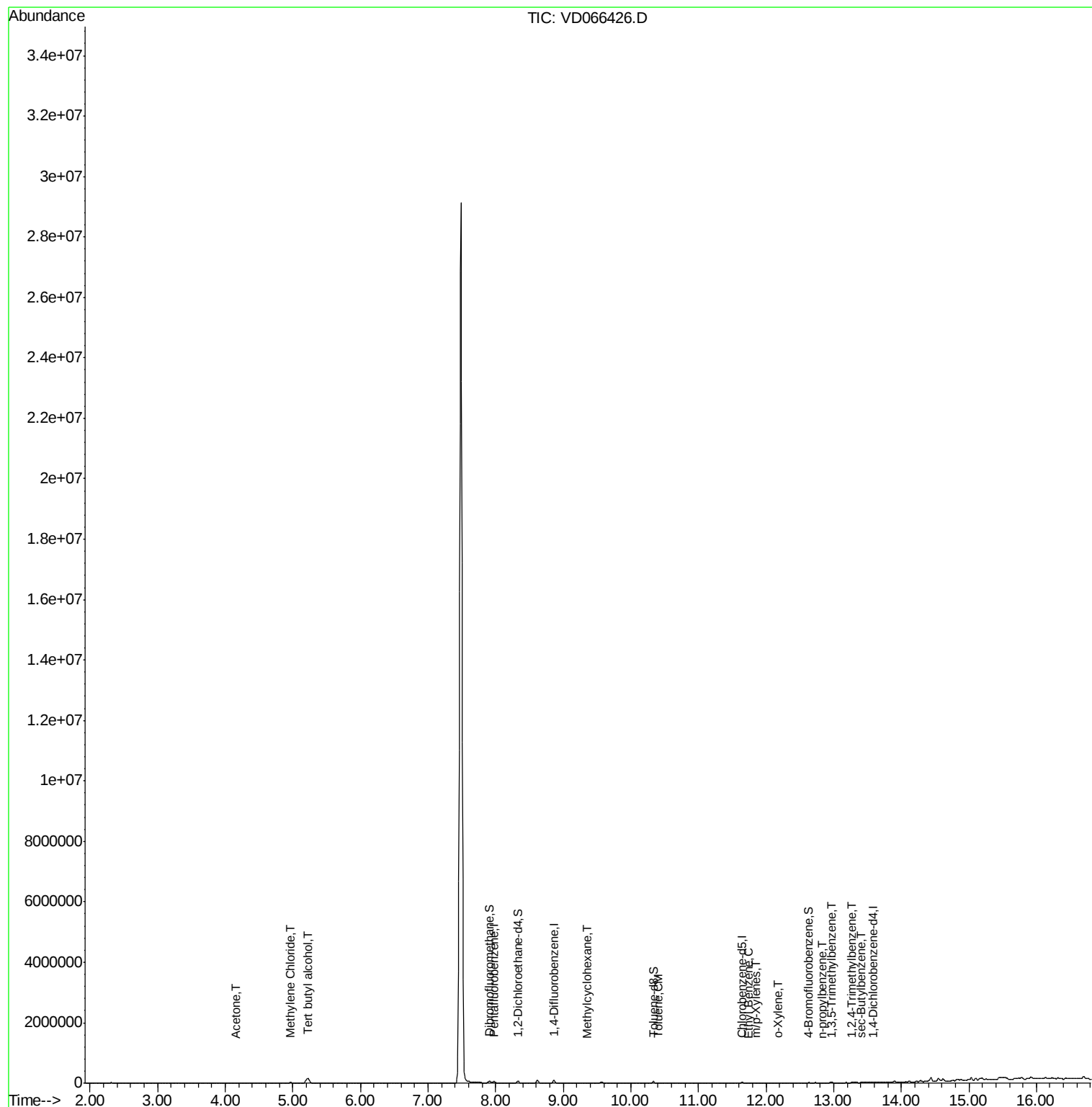
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082620\
Data File : VD066426.D
Acq On : 26 Aug 2020 17:50
Operator : VA/SY
Sample : L3787-01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 17 Sample Multiplier: 1

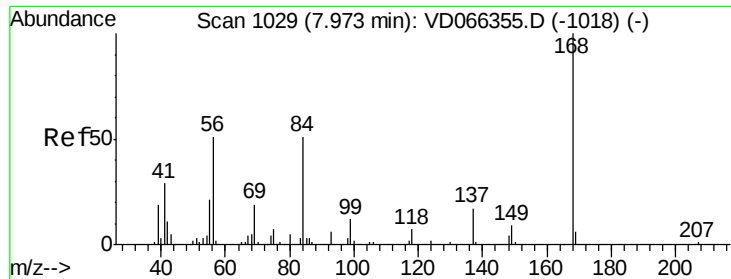
Instrument :
MSVOA_D
ClientSampleId :
20071

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8/27/2020 3:15:25 PM

Quant Time: Aug 27 09:16:44 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 13:36:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066426.D

Acq: 26 Aug 2020 17:50

Instrument :

MSVOA_D

ClientSampleId :

20071

Tot Ion:168 Resp: 37189

Ion Ratio Lower Upper

168 100

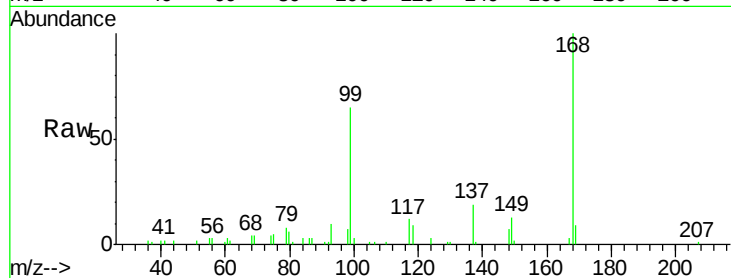
99 65.0 45.4 68.0

Manual Integrations

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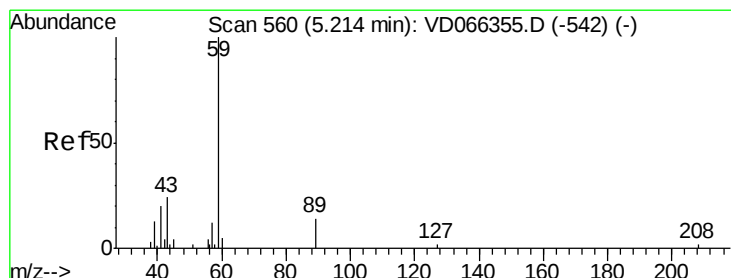
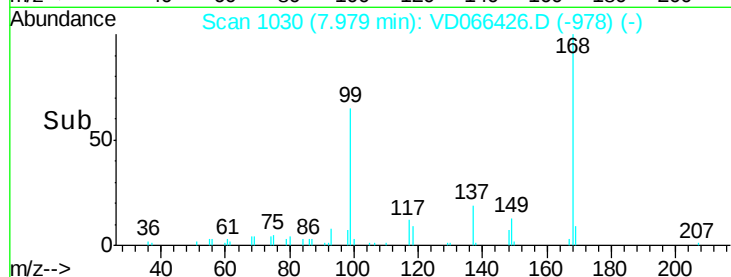
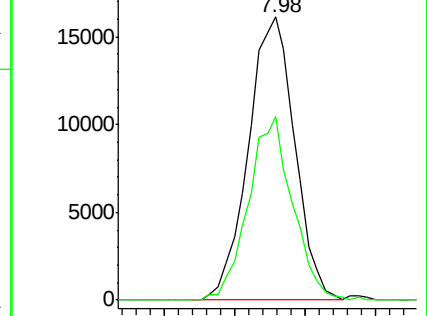
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 17101.737 ug/l

RT: 5.21 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD066426.D

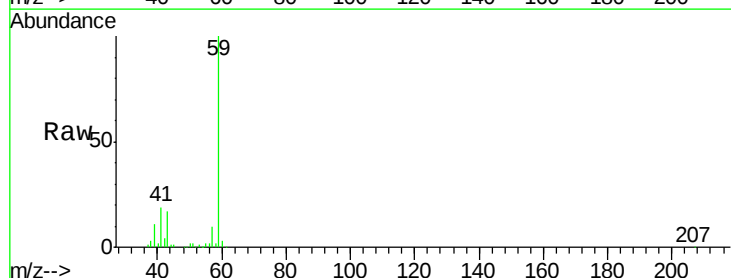
Acq: 26 Aug 2020 17:50

Tgt Ion: 59 Resp: 295573

Ion Ratio Lower Upper

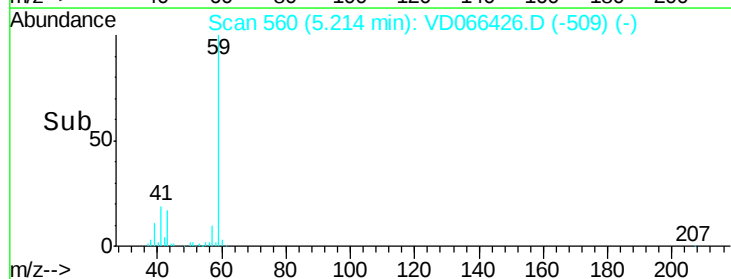
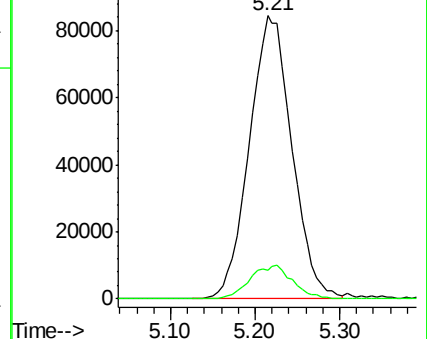
59 100

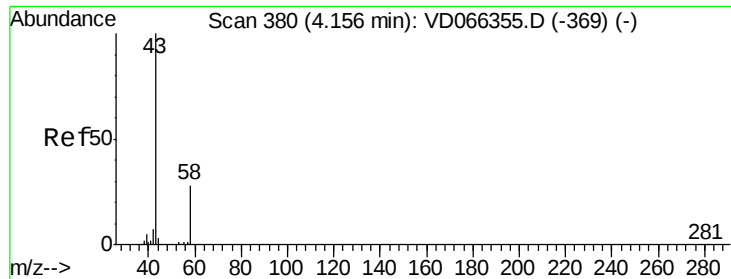
57 12.1 9.0 13.4



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 21.131 ug/l m

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066426.D

Acq: 26 Aug 2020 17:50

Instrument :

MSVOA_D

ClientSampleId :

20071

Tot Ion: 43 Resp: 1389

Ion Ratio Lower Upper

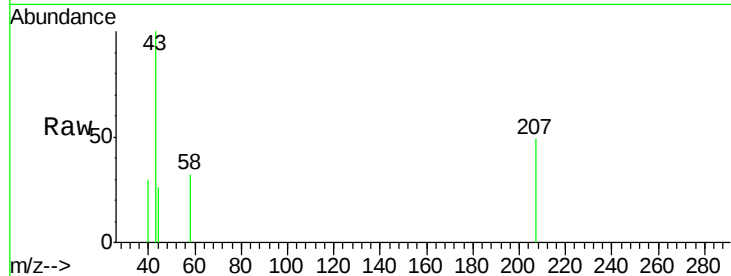
43 100

58 32.1 22.7 34.1

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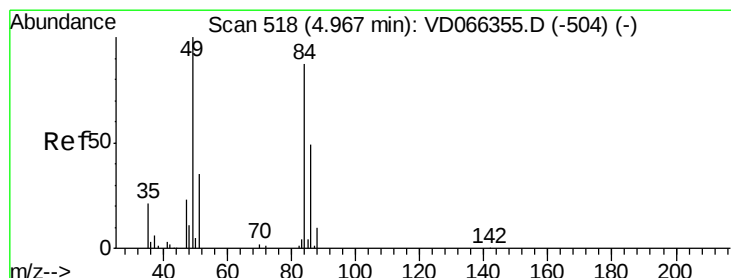
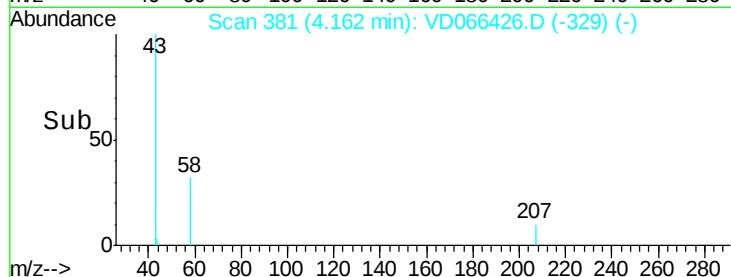
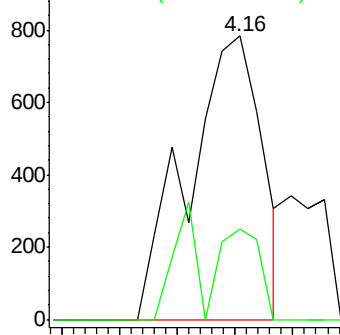
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 38.670 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD066426.D

Acq: 26 Aug 2020 17:50

Tgt Ion: 84 Resp: 14087

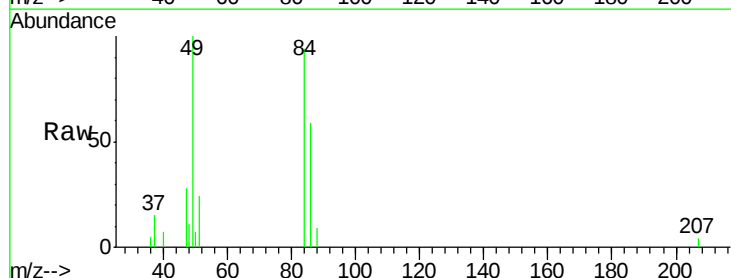
Ion Ratio Lower Upper

84 100

49 105.9 92.5 138.7

51 25.7 32.5 48.7#

86 62.4 45.0 67.6

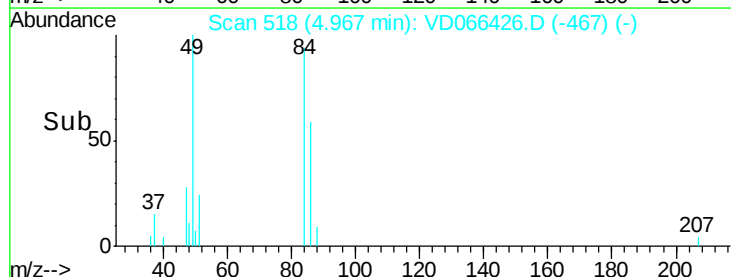
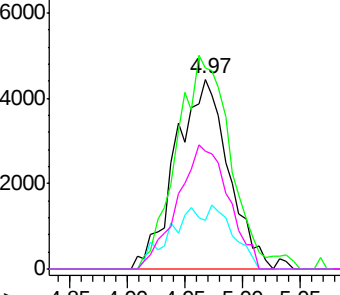


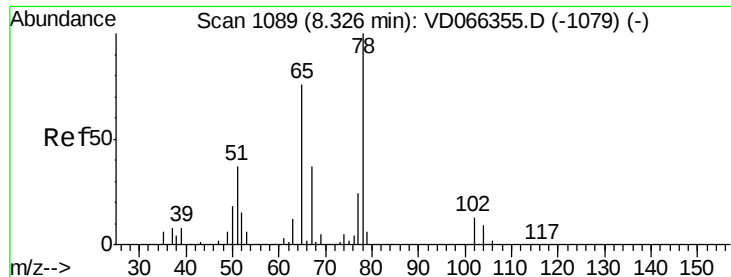
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





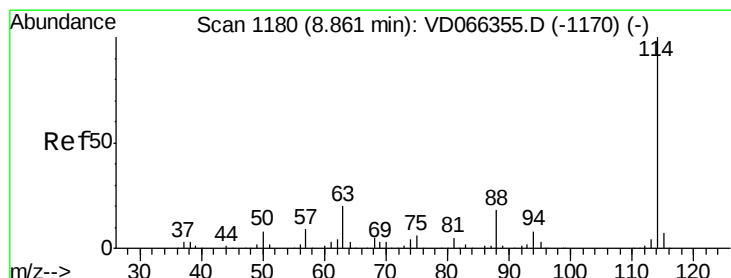
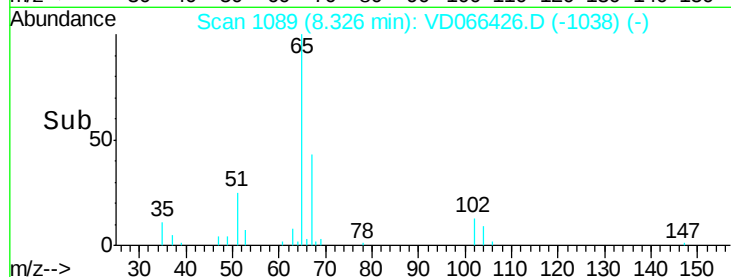
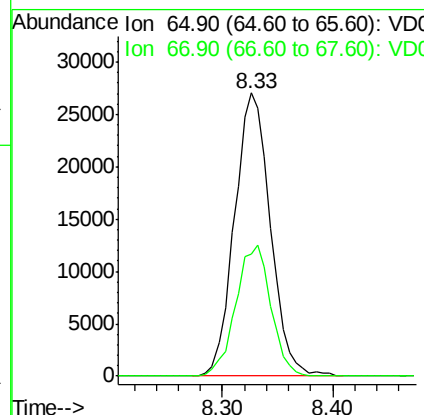
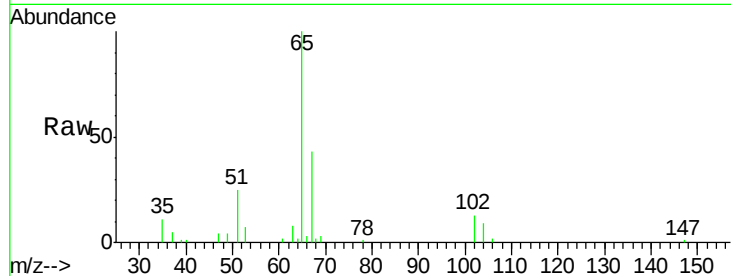
#33
 1,2-Dichloroethane-d4
 Concen: 168.917 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VD066426.D
 Acq: 26 Aug 2020 17:50

Instrument :
 MSVOA_D
 ClientSampleId :
 20071

Tot Ion	Ratio	Lower	Upper
65	100		
67	45.1	0.0	101.6

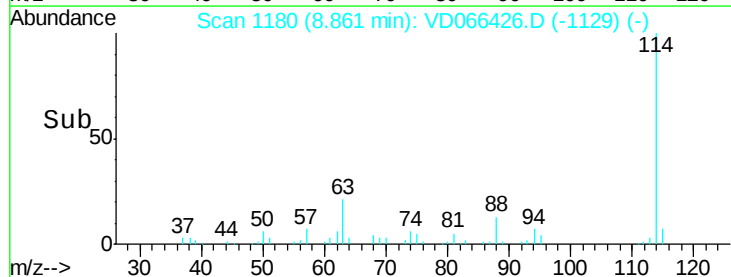
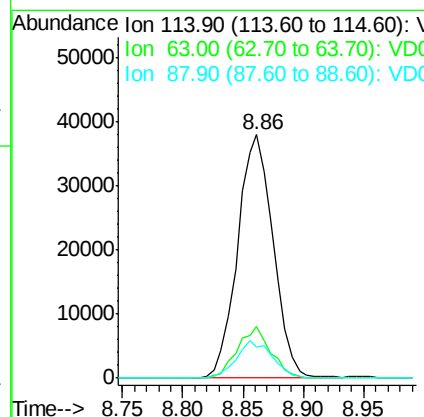
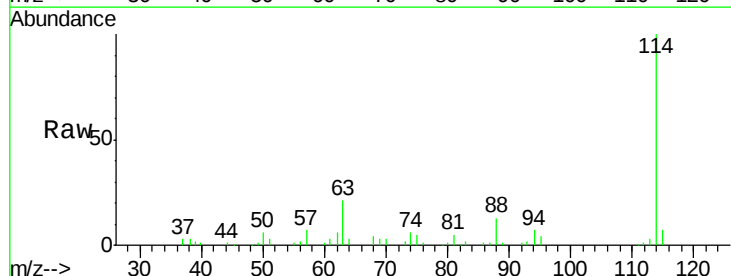
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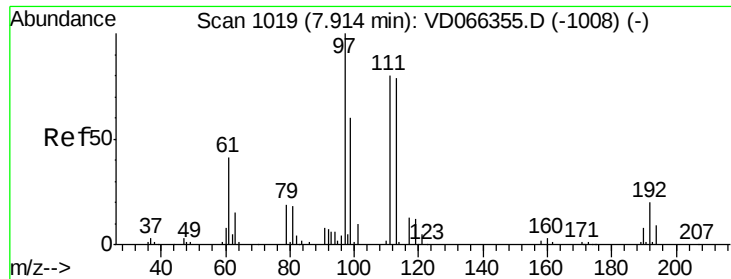
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066426.D
 Acq: 26 Aug 2020 17:50

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	40.8
88	12.8	0.0	35.4





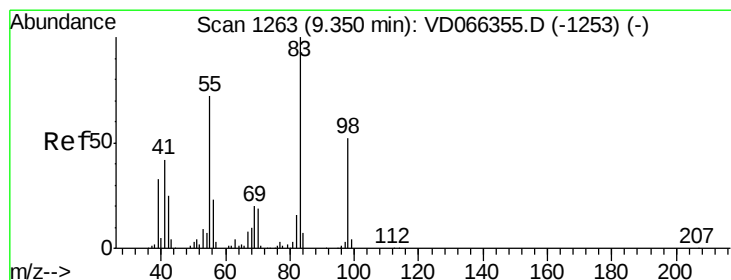
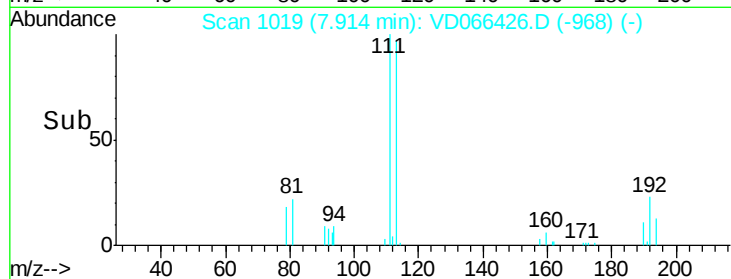
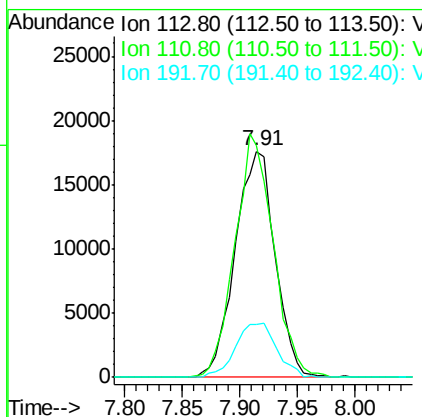
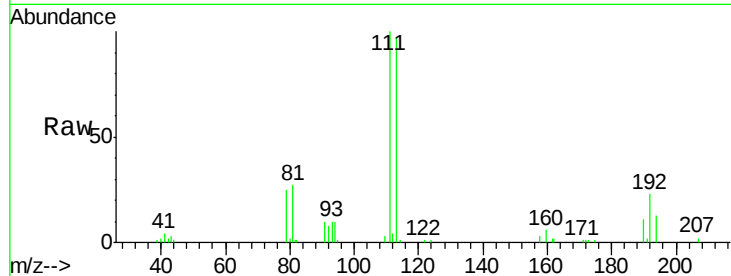
#35
 Dibromofluoromethane
 Concen: 87.142 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066426.D
 Acq: 26 Aug 2020 17:50

Instrument :
 MSVOA_D
 ClientSampleId :
 20071

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	80.3	120.5
192	24.6	19.0	28.6

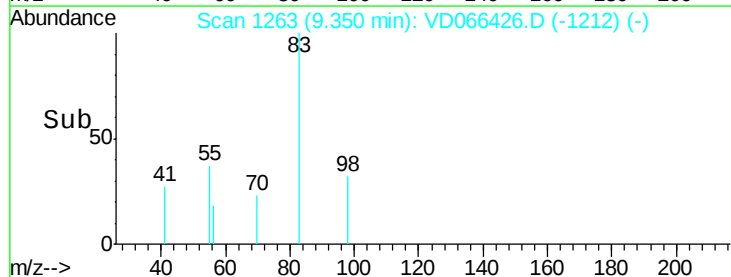
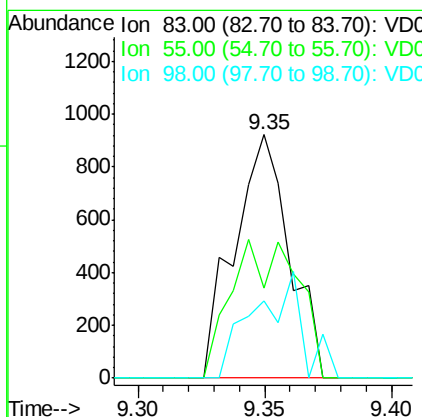
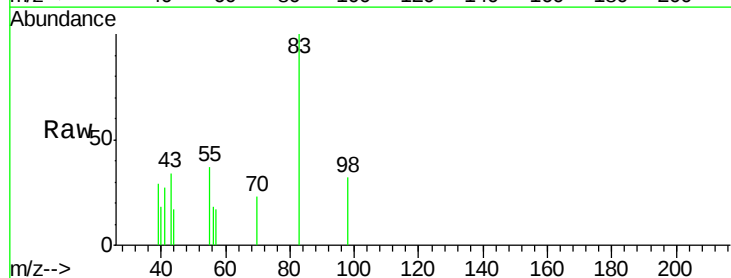
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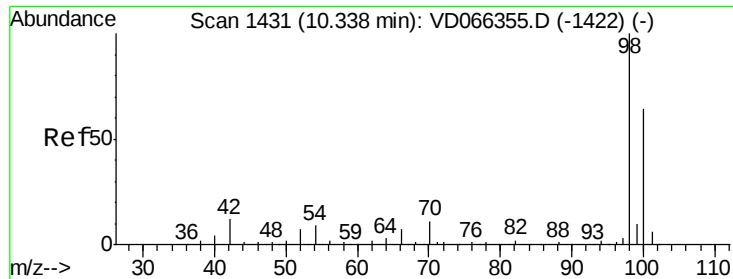
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#39
 Methylcyclohexane
 Concen: 1.670 ug/l
 RT: 9.35 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: VD066426.D
 Acq: 26 Aug 2020 17:50

Tgt Ion	Ratio	Lower	Upper
83	100		
55	37.1	58.0	87.0#
98	31.6	41.9	62.9#





#50

Toluene-d8

Concen: 20.310 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. -0.01 min

Lab File: VD066426.D

Acq: 26 Aug 2020 17:50

Instrument :

MSVOA_D

ClientSampleId :

20071

Tot Ion: 98 Resp: 36106

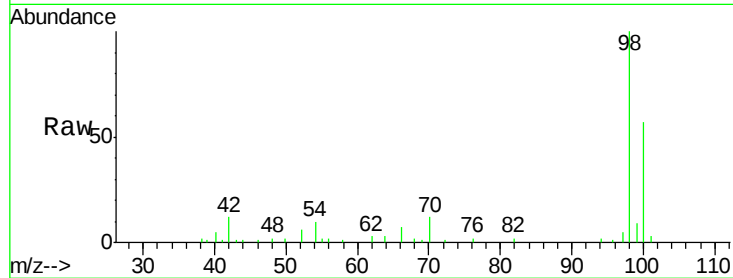
Ion Ratio Lower Upper

98 100

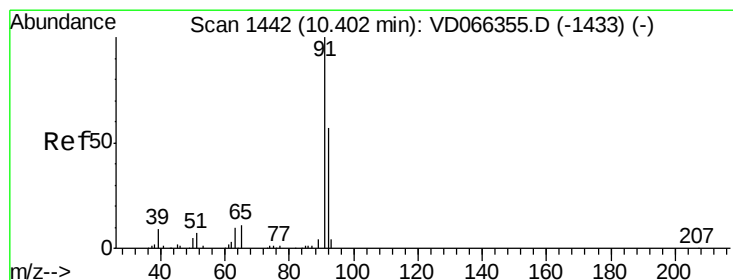
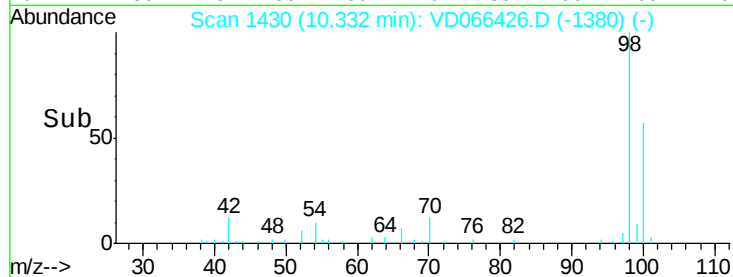
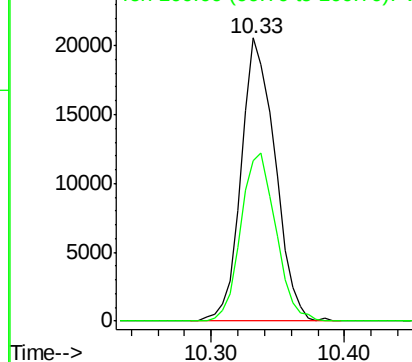
100 61.1 53.0 79.4

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Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC



#52

Toluene

Concen: 2.994 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066426.D

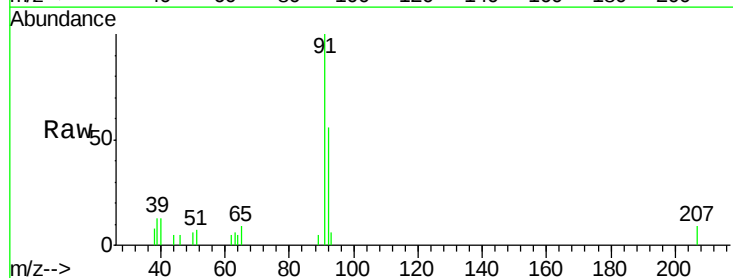
Acq: 26 Aug 2020 17:50

Tgt Ion: 92 Resp: 3783

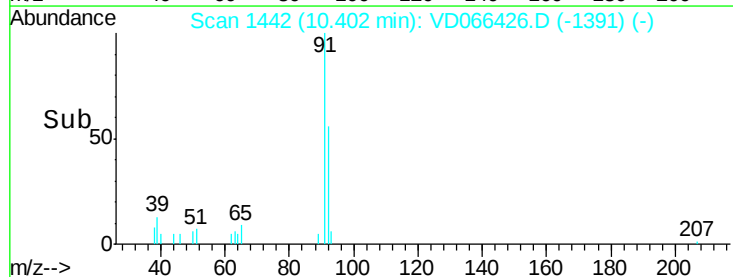
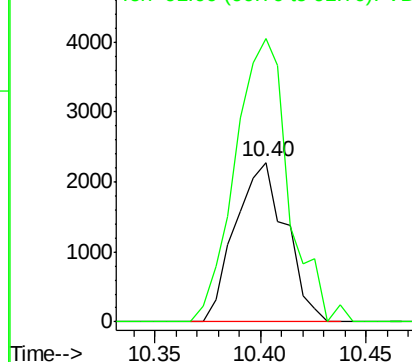
Ion Ratio Lower Upper

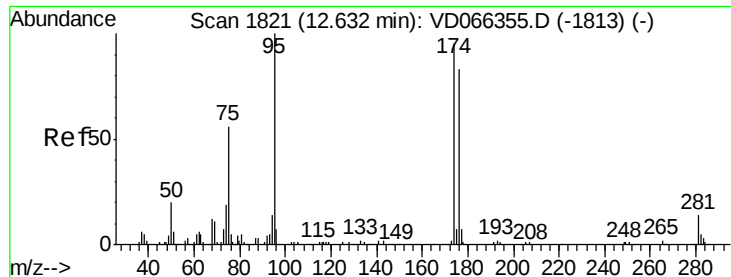
92 100

91 188.7 135.8 203.6



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC





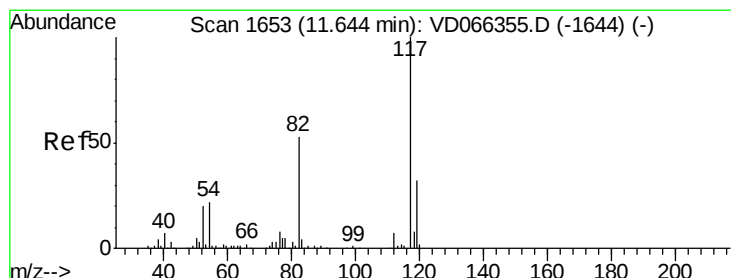
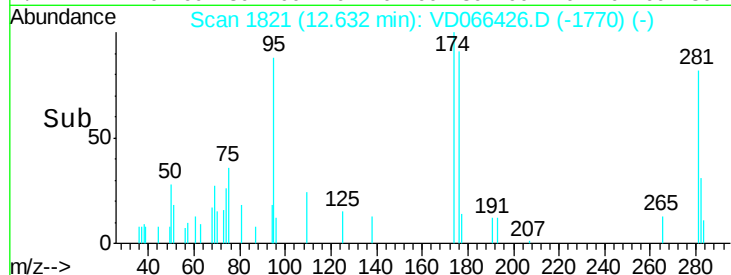
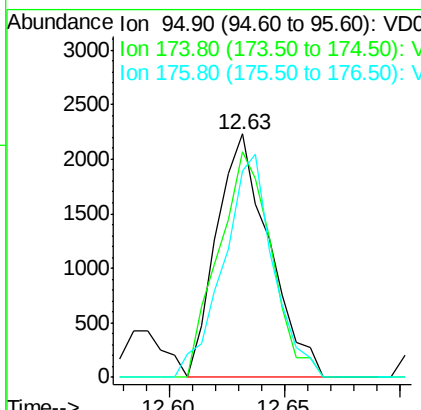
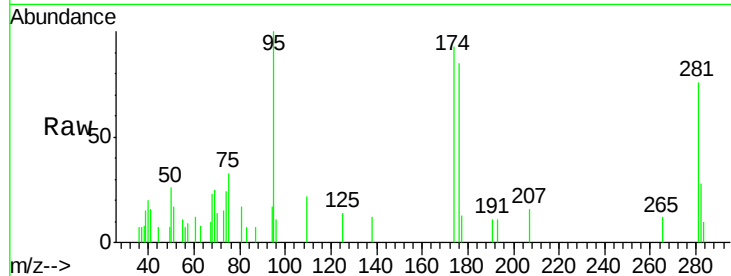
#62
4-Bromofluorobenzene
Concen: 5.609 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066426.D
Acq: 26 Aug 2020 17:50

Instrument :
MSVOA_D
ClientSampleId :
20071

Tot Ion	Ratio	Resp	Lower	Upper
95	100	3538		
174	92.8	0.0	183.4	
176	86.9	0.0	173.8	

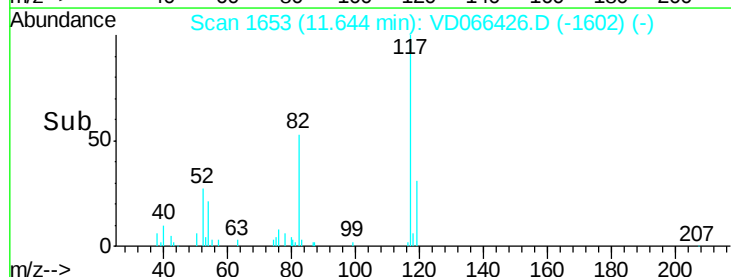
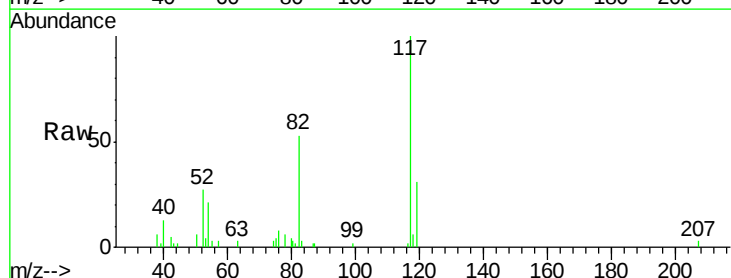
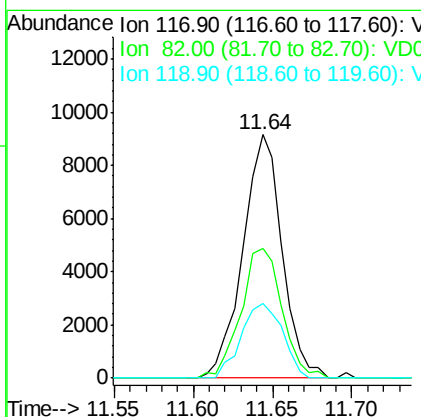
Manual Integrations
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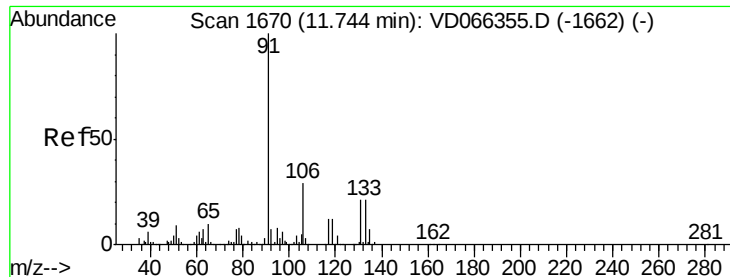
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066426.D
Acq: 26 Aug 2020 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	15748		
82	53.4	42.8	64.2	
119	30.9	25.8	38.8	





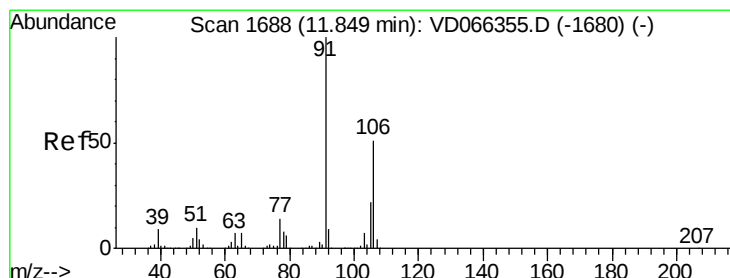
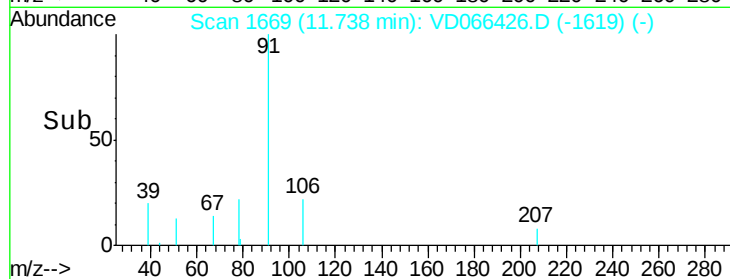
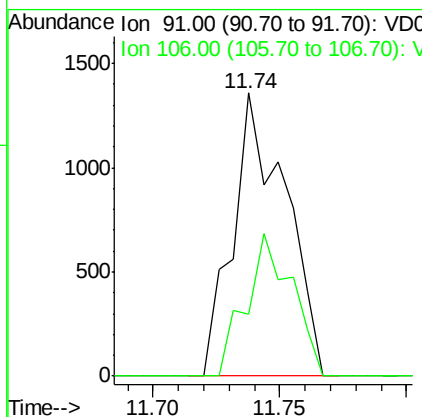
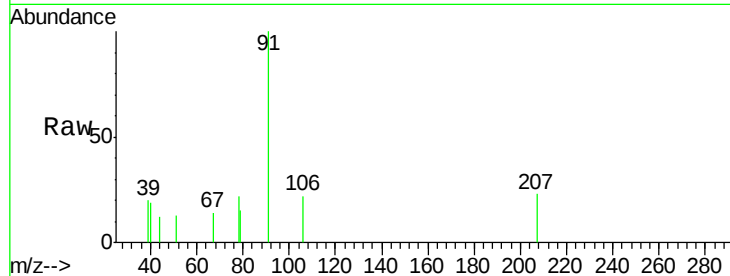
#67
Ethyl Benzene
Concen: 3.578 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066426.D
Acq: 26 Aug 2020 17:50

Instrument :
MSVOA_D
ClientSampled :
20071

Tot Ion: 91 Resp: 1973
Ion Ratio Lower Upper
91 100
106 21.7 23.4 35.2#

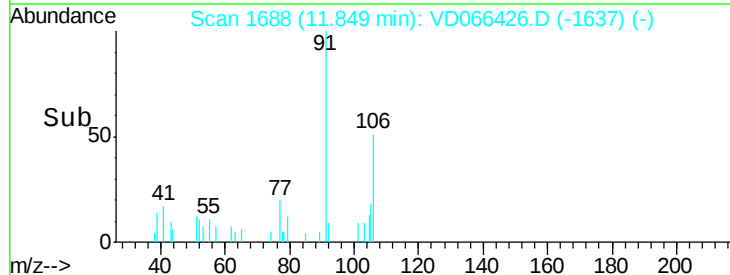
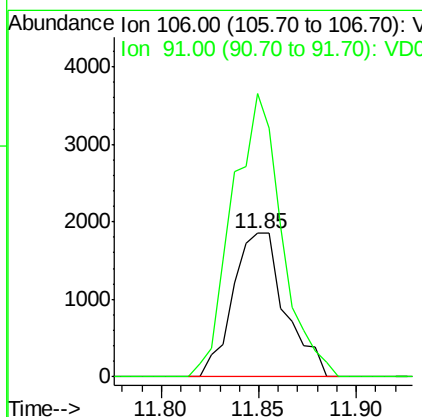
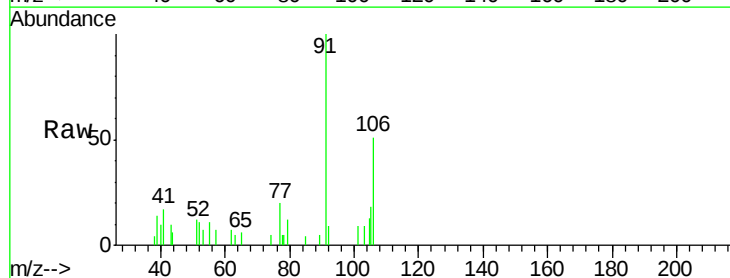
Manual Integrations
APPROVED

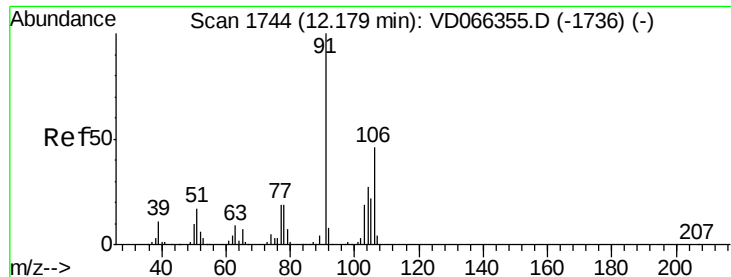
MMDadoda
8/27/2020 3:15:25 PM



#68
m/p-Xylenes
Concen: 16.336 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VD066426.D
Acq: 26 Aug 2020 17:50

Tgt Ion: 106 Resp: 3434
Ion Ratio Lower Upper
106 100
91 187.4 160.7 241.1





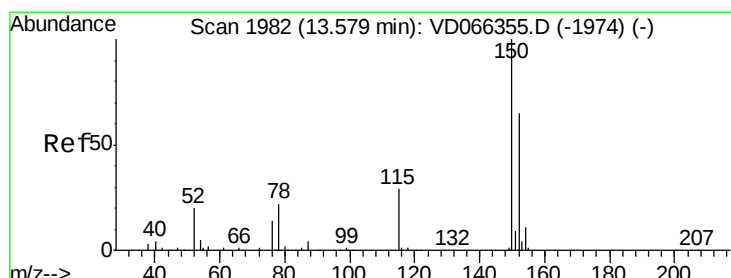
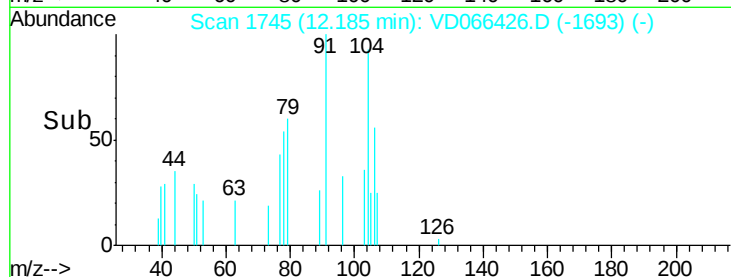
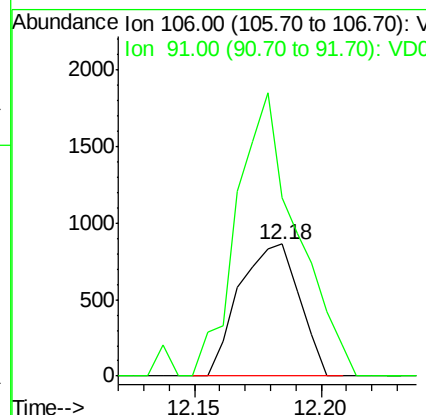
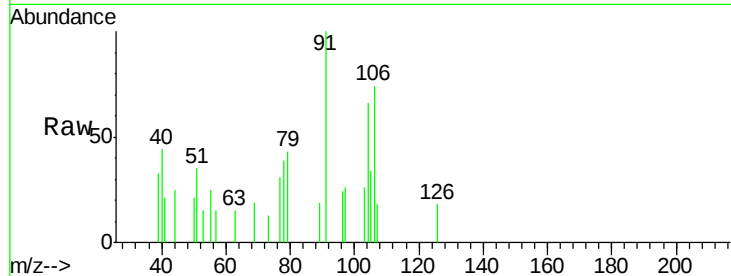
#69
o-Xylene
Concen: 7.297 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD066426.D
Acq: 26 Aug 2020 17:50

Instrument :
MSVOA_D
ClientSampled :
20071

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100			
91	91	214.6	109.1	327.3	

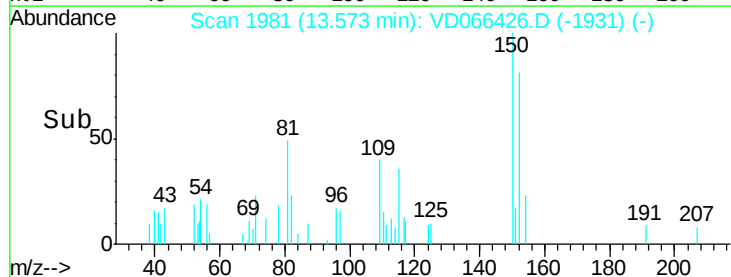
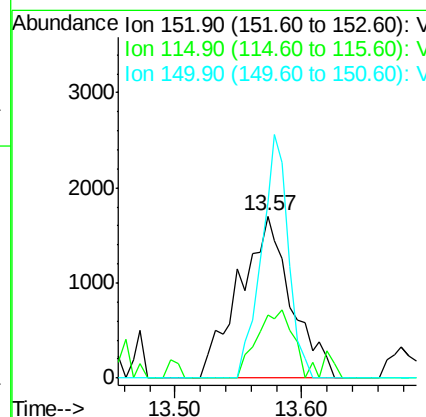
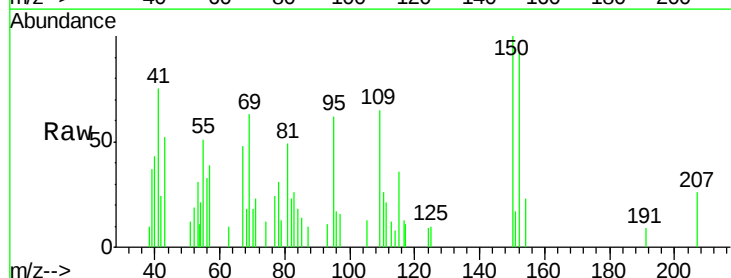
Manual Integrations
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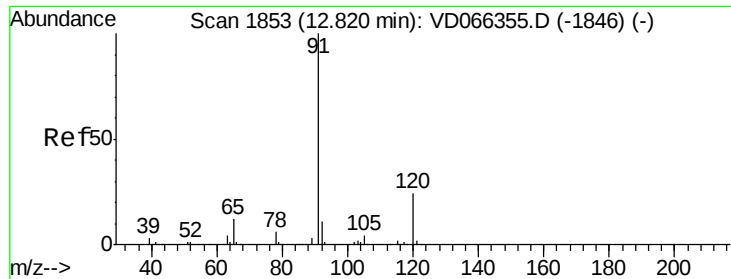
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8/27/2020 3:15:25 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1981
Delta R.T. -0.01 min
Lab File: VD066426.D
Acq: 26 Aug 2020 17:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	152	100			
115	115	30.0	28.3	85.0	
150	150	78.0	0.0	343.2	





#78

n-propylbenzene

Concen: 4.556 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD066426.D

Acq: 26 Aug 2020 17:50

Instrument :

MSVOA_D

ClientSampleId :

20071

Tot Ion: 91 Resp: 1692

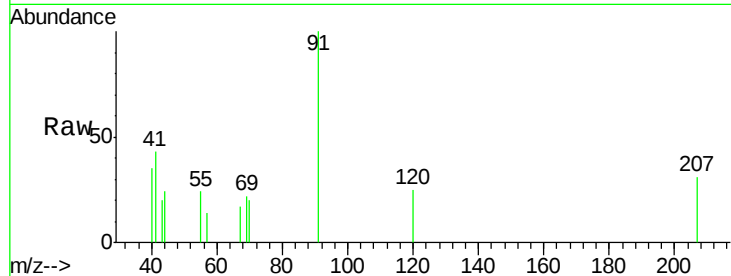
Ion Ratio Lower Upper

91 100

120 24.3 12.0 36.0

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

1200

1000

800

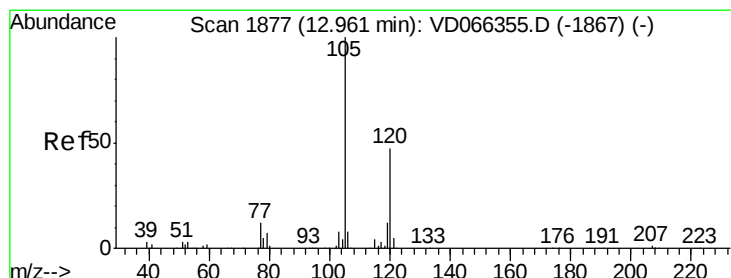
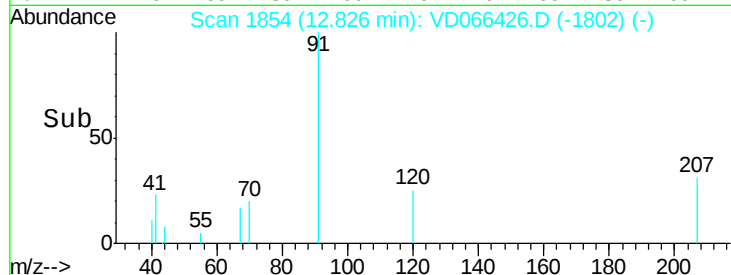
600

400

200

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 11.840 ug/l

RT: 12.96 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VD066426.D

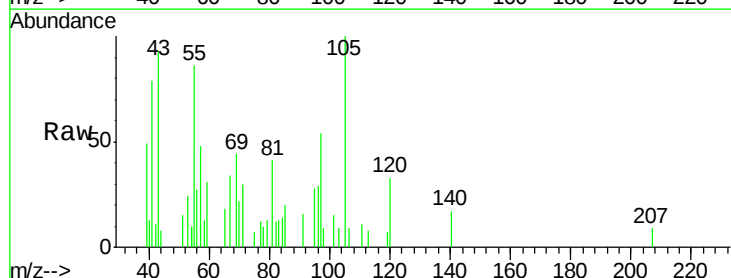
Acq: 26 Aug 2020 17:50

Tgt Ion:105 Resp: 3311

Ion Ratio Lower Upper

105 100

120 54.2 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2500

2000

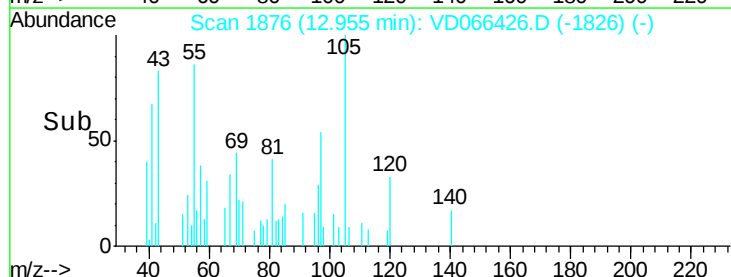
1500

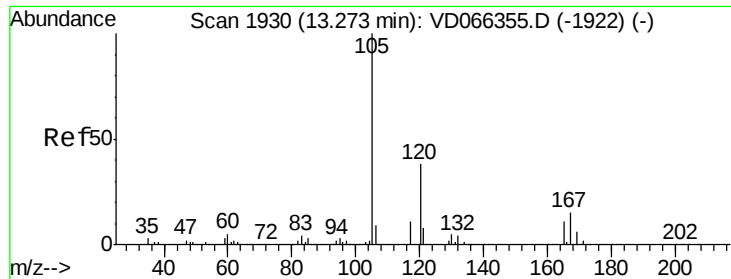
1000

500

0

Time-->





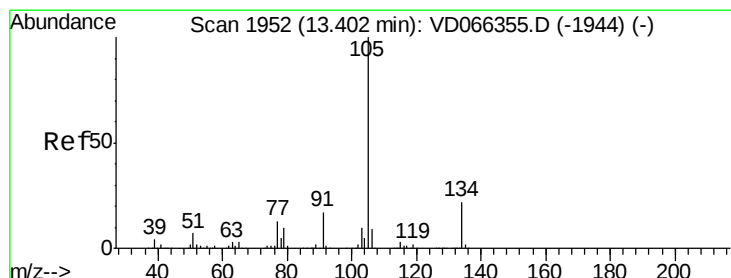
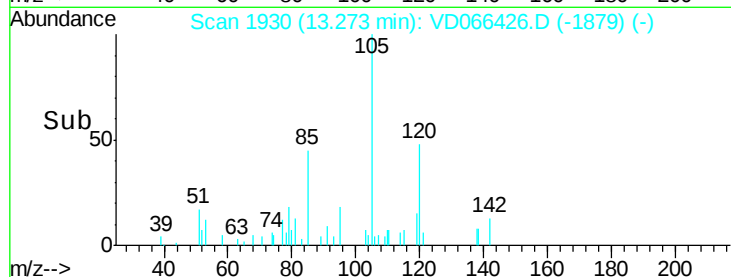
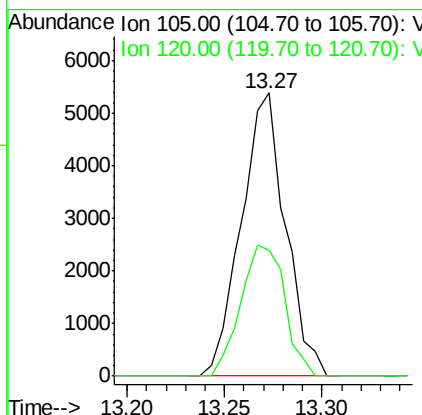
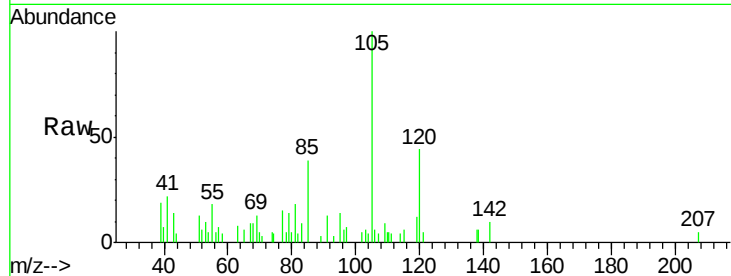
#84
 1,2,4-Trimethylbenzene
 Concen: 30.731 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD066426.D
 Acq: 26 Aug 2020 17:50

Instrument :
 MSVOA_D
 ClientSampleId :
 20071

Tot Ion:105 Resp: 8441
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.6 67.7

Manual Integrations
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 8/27/2020 3:15:25 PM



#85
 sec-Butylbenzene
 Concen: 7.786 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.01 min
 Lab File: VD066426.D
 Acq: 26 Aug 2020 17:50

Tgt Ion:105 Resp: 2478
 Ion Ratio Lower Upper
 105 100
 134 21.6 10.8 32.4

