

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020620\
 Data File : VD065082.D
 Acq On : 06 Feb 2020 13:01
 Operator : VA/SY
 Sample : L1365-01
 Misc : 7.50G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-020520

Manual Integrations
 APPROVED

MMDadoda
 2/7/2020 12:05:41 PM

Quant Time: Feb 07 06:24:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	457799	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	763246	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	681892	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	233865	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	233684	60.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.12%	
35) Dibromofluoromethane	7.92	113	243860	57.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.54%	
50) Toluene-d8	10.34	98	882191	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	
62) 4-Bromofluorobenzene	12.64	95	275843	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
Target Compounds						
					Qvalue	
16) Acetone	4.16	43	80227	82.471	ug/l	96
17) Carbon Disulfide	4.41	76	15325	1.181	ug/l	96
25) 2-Butanone	7.24	43	9976	8.597	ug/l	94
73) Isopropylbenzene	12.49	105	57302	3.570	ug/l	98
78) n-propylbenzene	12.83	91	76573	4.073	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	65551	4.992	ug/l	98
83) tert-Butylbenzene	13.24	119	27976	2.469	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	106477	8.167	ug/l	99
85) sec-Butylbenzene	13.41	105	82372	5.323	ug/l #	71
86) p-Isopropyltoluene	13.53	119	28961	2.014	ug/l	97
88) 1,4-Dichlorobenzene	13.61	146	65489	9.087	ug/l #	85
89) n-Butylbenzene	13.86	91	77738m	5.858	ug/l	
95) Naphthalene	15.41	128	468322	63.563	ug/l	99

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

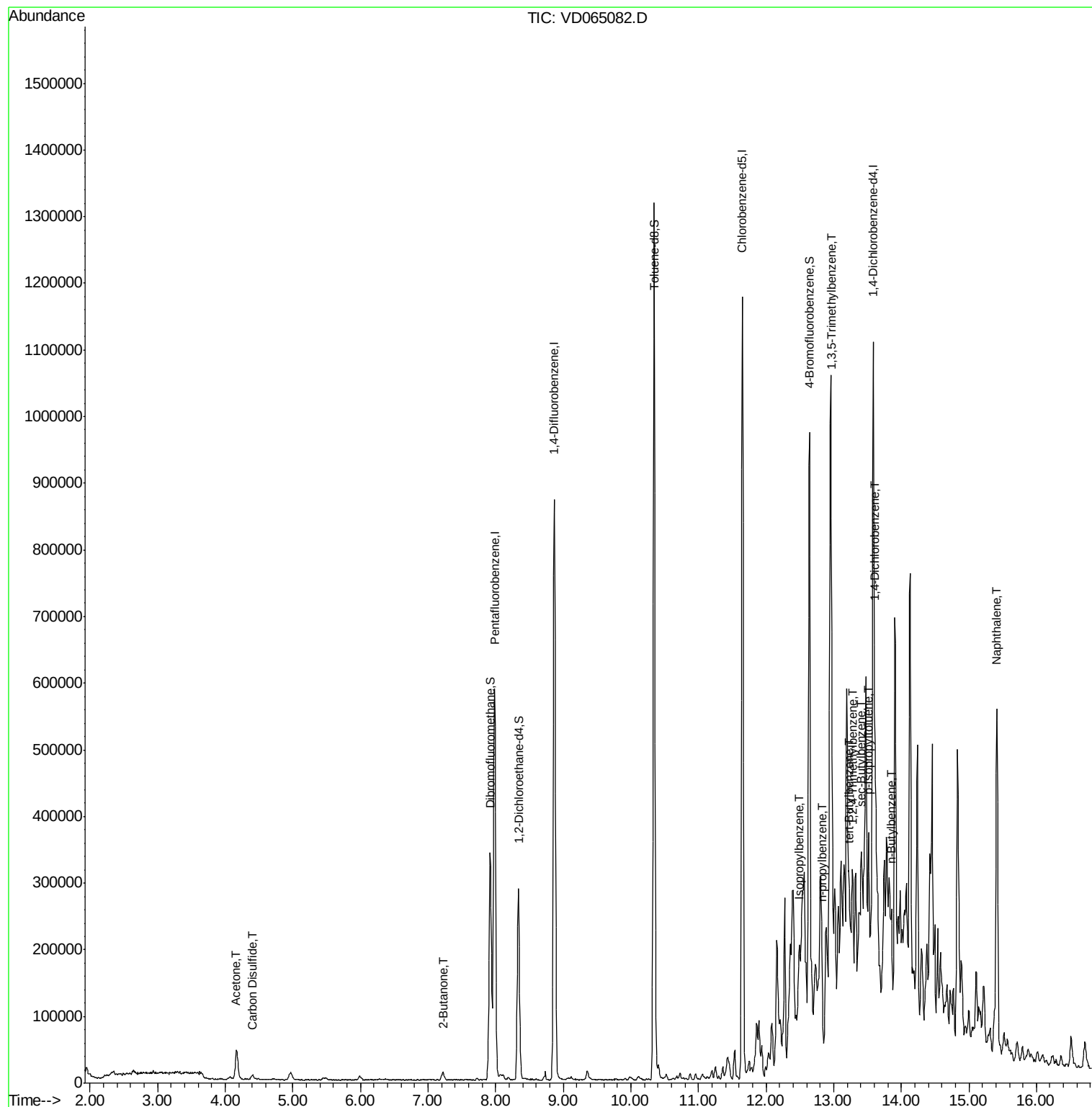
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD020620\
Data File : VD065082.D
Acq On : 06 Feb 2020 13:01
Operator : VA/SY
Sample : L1365-01
Misc : 7.50G/5.00ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

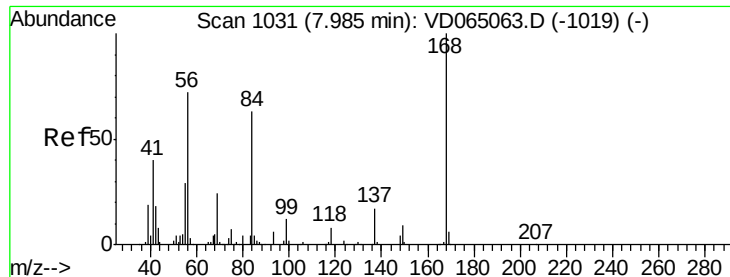
Instrument :
MSVOA_D
ClientSampleId :
CL-01-020520

Manual Integrations
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2/7/2020 12:05:41 PM

Quant Time: Feb 07 06:24:27 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065082.D

Acq: 06 Feb 2020 13:01

Instrument :

MSVOA_D

ClientSampleId :

CL-01-020520

Tot Ion:168 Resp: 457799

Ion Ratio Lower Upper

168 100

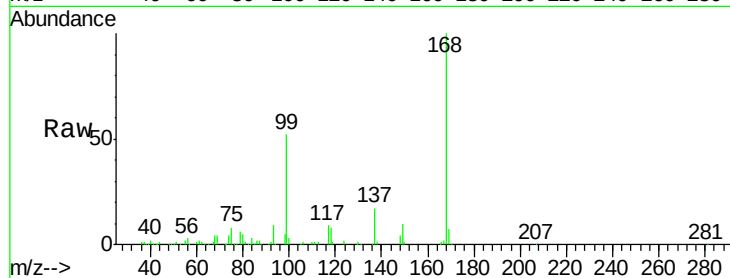
99 51.9 41.0 61.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

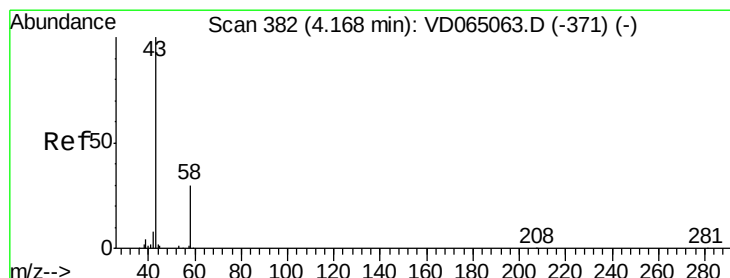
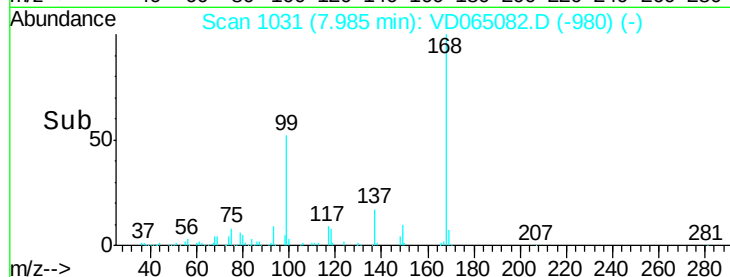
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 82.471 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065082.D

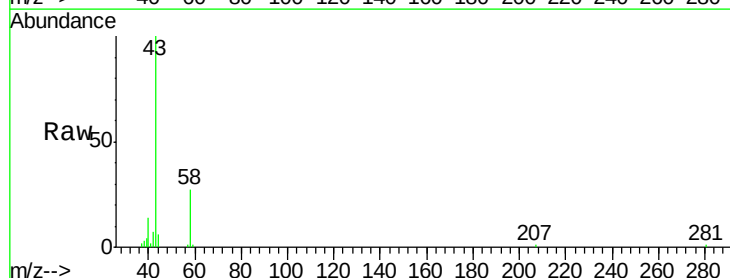
Acq: 06 Feb 2020 13:01

Tgt Ion: 43 Resp: 80227

Ion Ratio Lower Upper

43 100

58 27.2 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

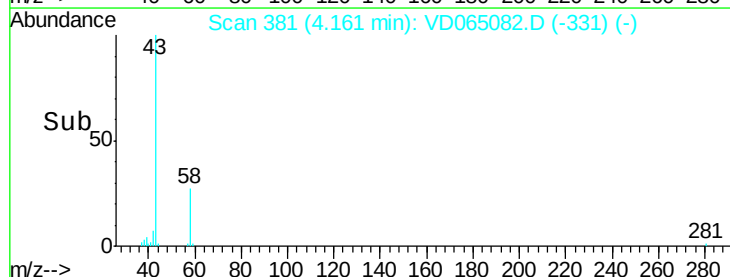
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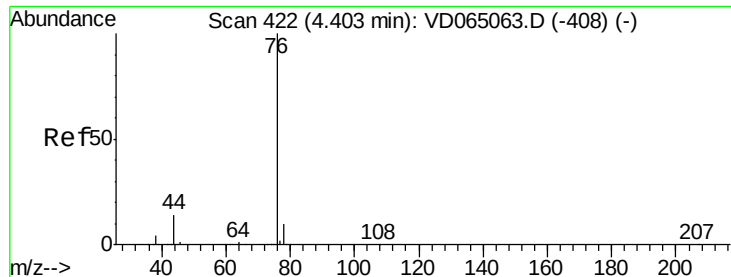
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10000

0

Time-->





#17

Carbon Disulfide

Concen: 1.181 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.01 min

Lab File: VD065082.D

Acq: 06 Feb 2020 13:01

Instrument :

MSVOA_D

ClientSampleId :

CL-01-020520

Tot Ion: 76 Resp: 15325

Ion Ratio Lower Upper

76 100

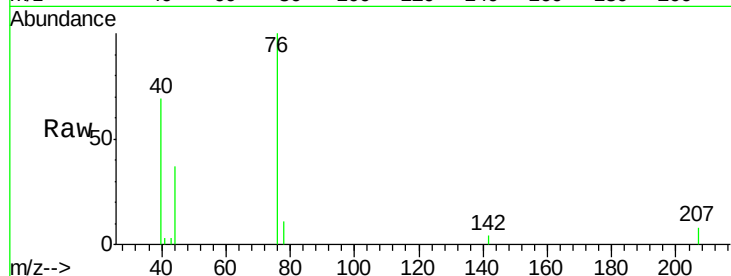
78 11.1 7.6 11.4

Manual Integrations

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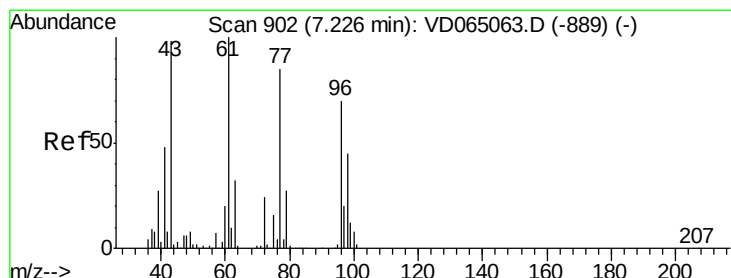
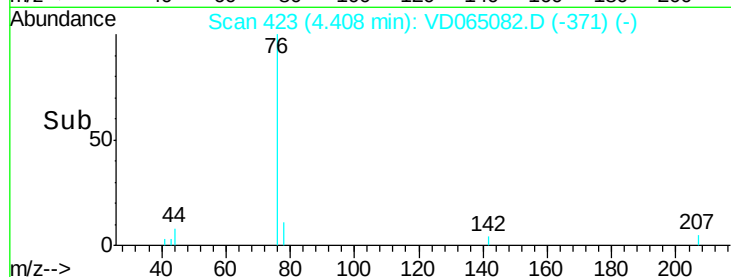
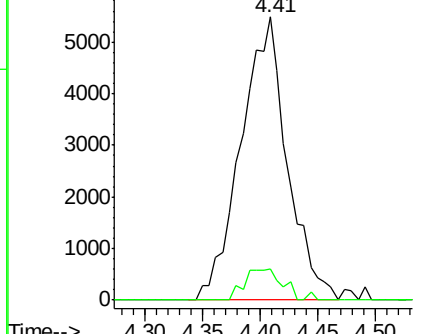
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#25

2-Butanone

Concen: 8.597 ug/l

RT: 7.24 min Scan# 904

Delta R.T. 0.01 min

Lab File: VD065082.D

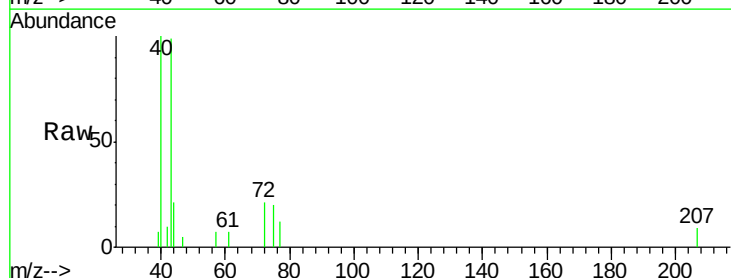
Acq: 06 Feb 2020 13:01

Tgt Ion: 43 Resp: 9976

Ion Ratio Lower Upper

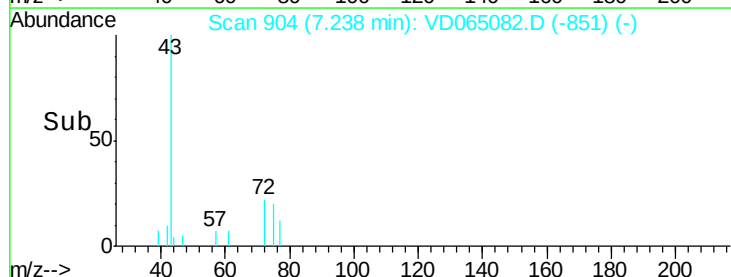
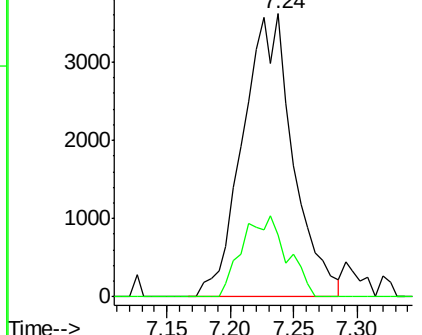
43 100

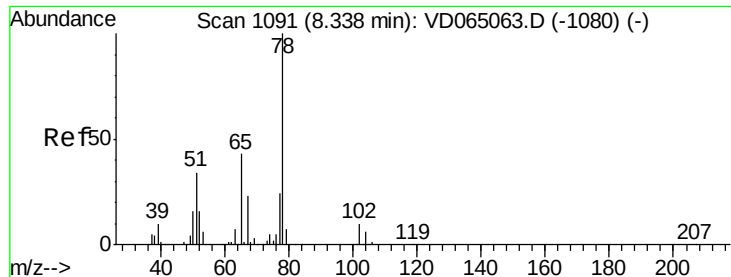
72 21.7 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC





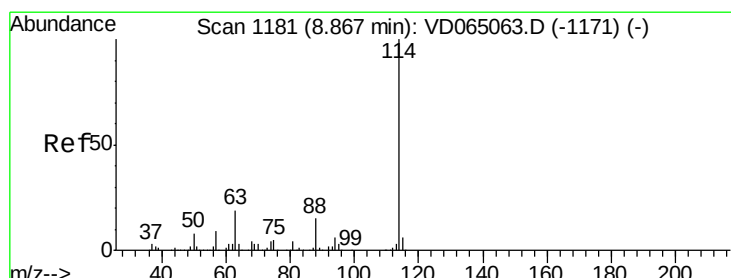
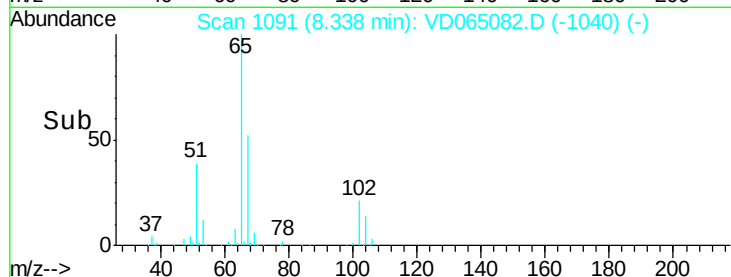
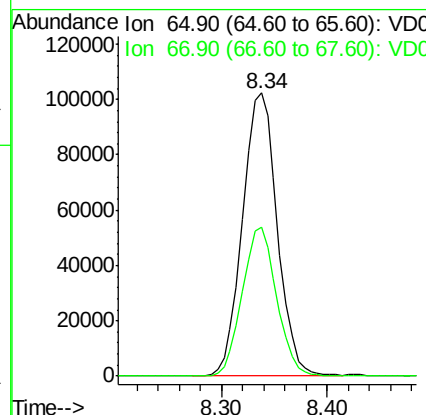
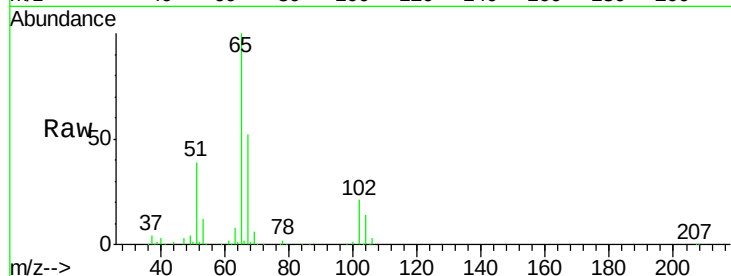
#33
 1,2-Dichloroethane-d4
 Concen: 60.059 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065082.D
 Acq: 06 Feb 2020 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-020520

Tot Ion	Ratio	Resp	Lower	Upper
65	100	233684		
67	52.0	0.0	105.8	

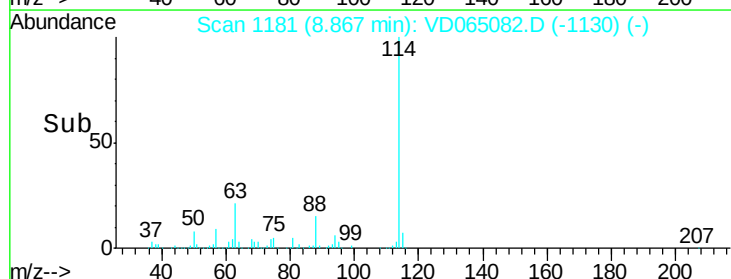
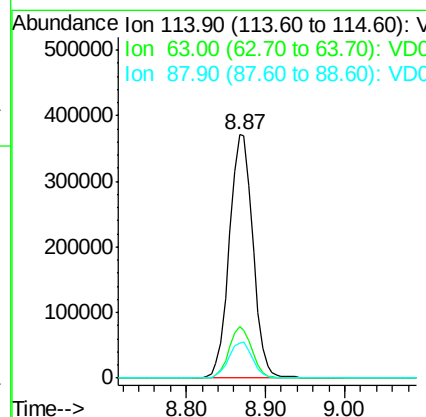
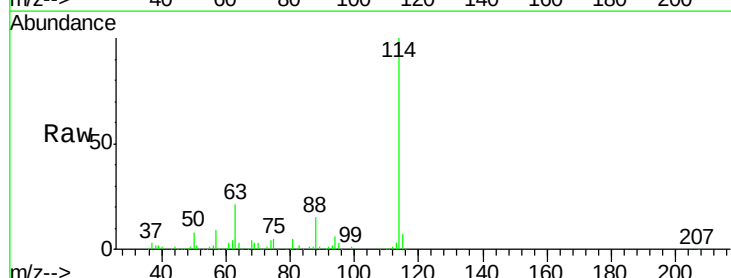
Manual Integrations
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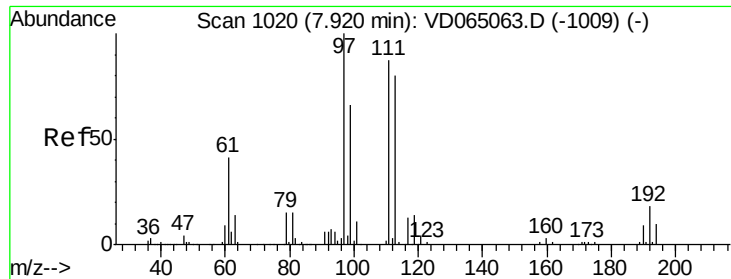
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065082.D
 Acq: 06 Feb 2020 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	763246		
63	21.1	0.0	38.8	
88	14.5	0.0	29.6	





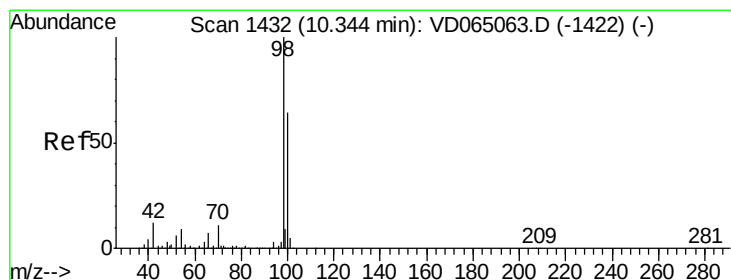
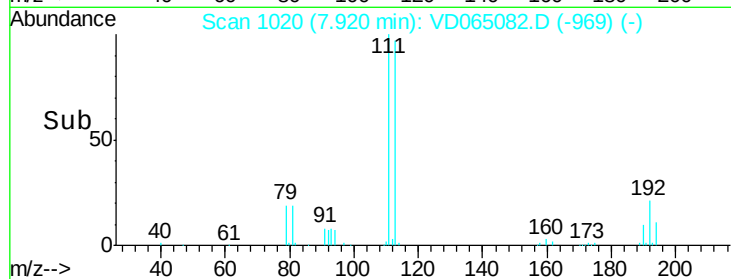
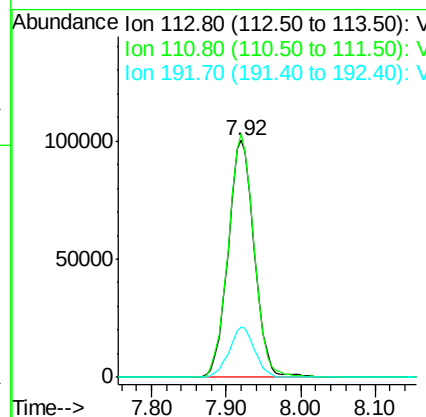
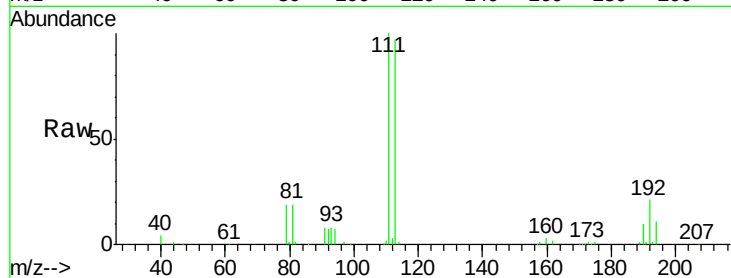
#35
Dibromofluoromethane
Concen: 57.265 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065082.D
Acq: 06 Feb 2020 13:01

Instrument :
MSVOA_D
ClientSampleId :
CL-01-020520

Tot Ion	Ratio	Resp	Lower	Upper
113	100	243860		
111	101.4	83.1	124.7	
192	20.8	18.1	27.1	

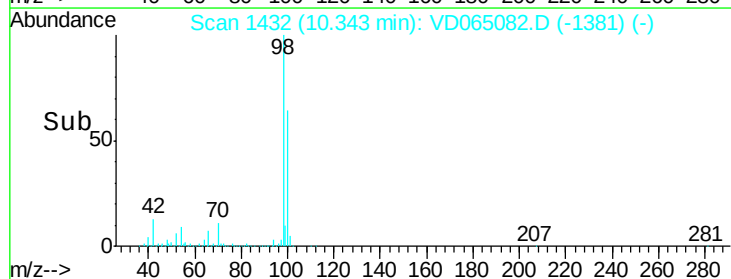
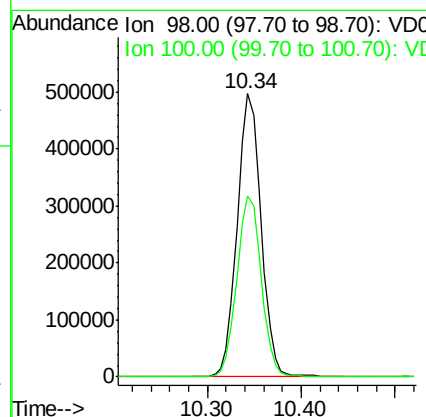
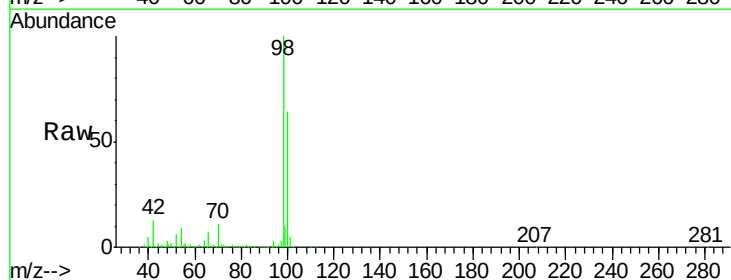
Manual Integrations
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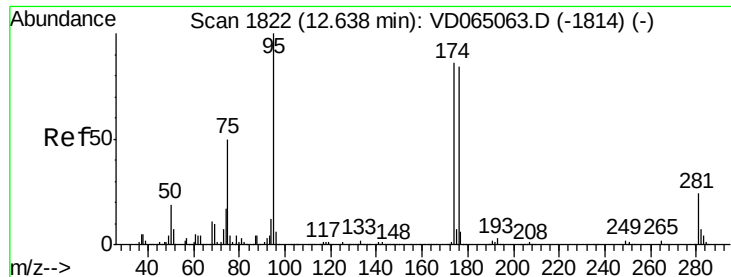
MMDadoda
2/7/2020 12:05:41 PM



#50
Toluene-d8
Concen: 52.047 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065082.D
Acq: 06 Feb 2020 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	882191		
100	65.4	52.1	78.1	





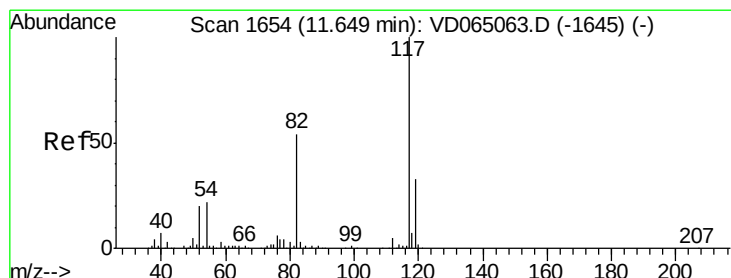
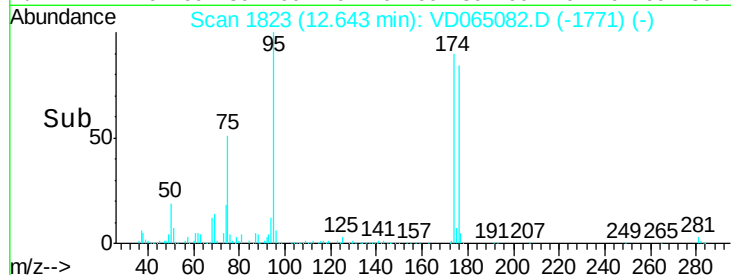
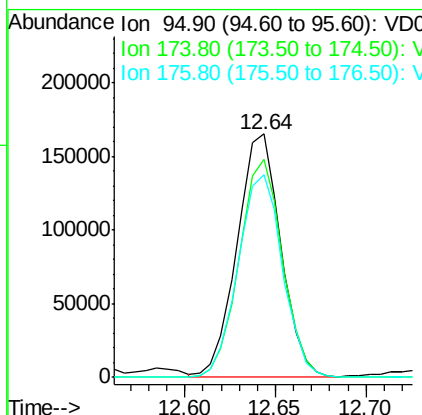
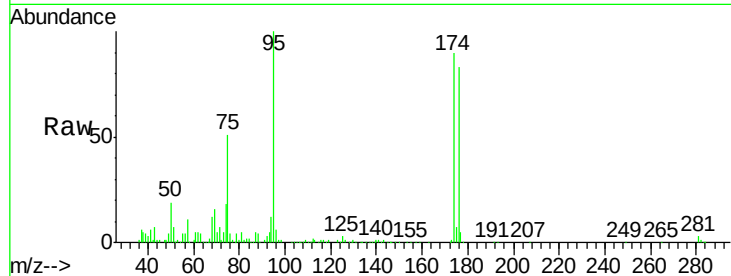
#62
 4-Bromofluorobenzene
 Concen: 51.360 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD065082.D
 Acq: 06 Feb 2020 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-020520

Tot Ion	Ratio	Resp	Lower	Upper
95	100	275843		
174	89.0	0.0	180.0	
176	85.2	0.0	173.2	

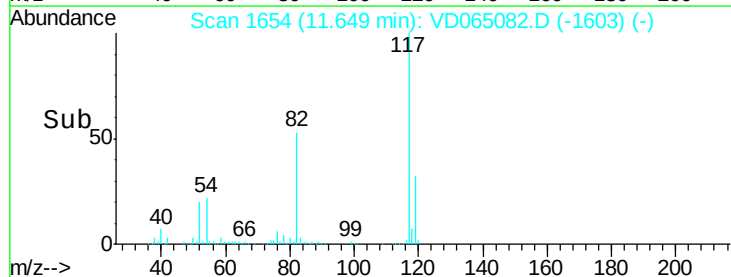
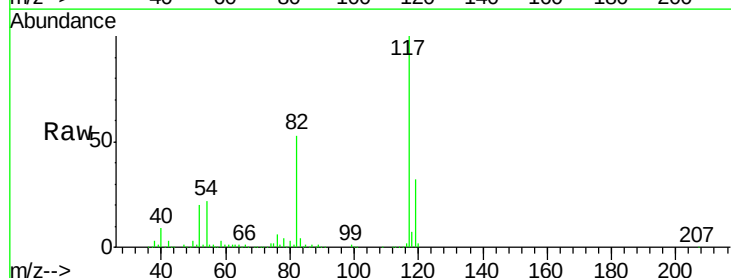
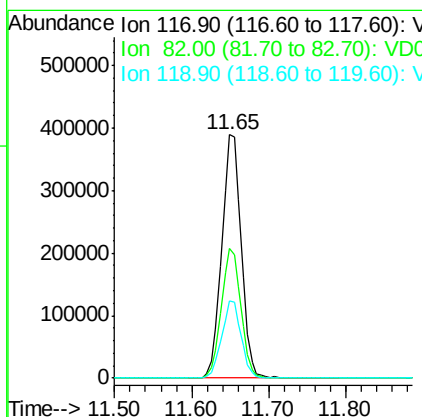
Manual Integrations
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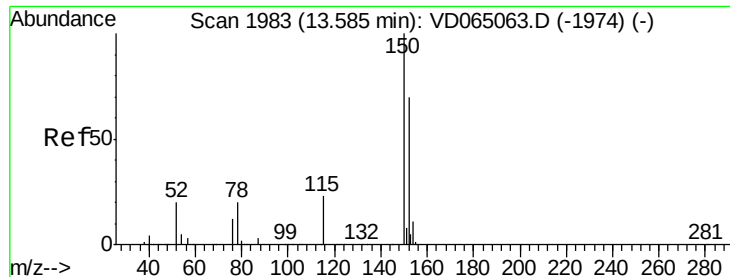
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 2/7/2020 12:05:41 PM



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.65 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: VD065082.D
 Acq: 06 Feb 2020 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	681892		
82	53.4	43.1	64.7	
119	31.7	26.0	39.0	





#72

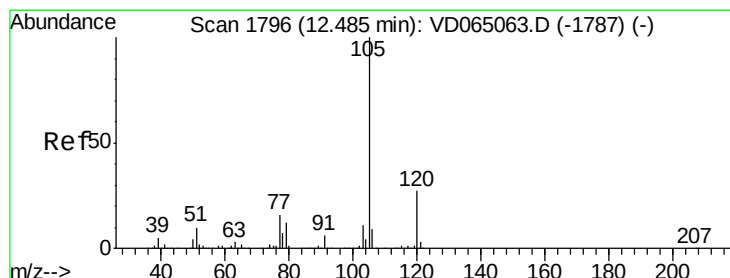
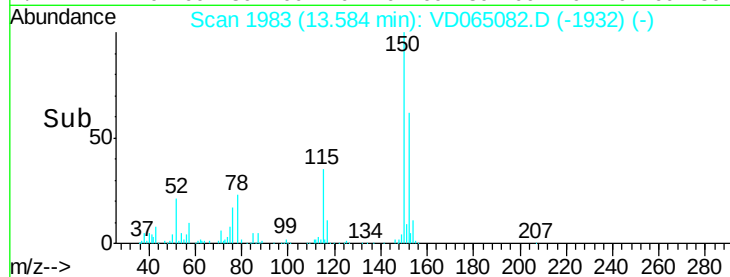
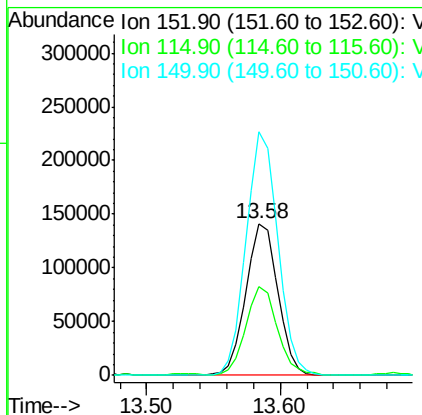
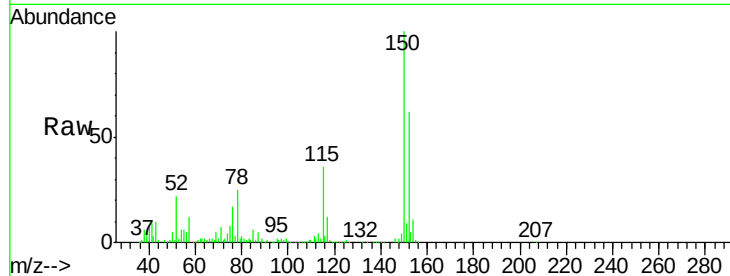
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065082.D
Acq: 06 Feb 2020 13:01

Instrument :
MSVOA_D
ClientSampleId :
CL-01-020520

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.7	27.5	82.4
150	159.0	0.0	343.2

Manual Integrations
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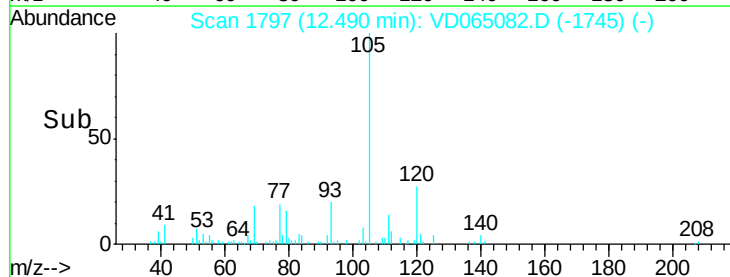
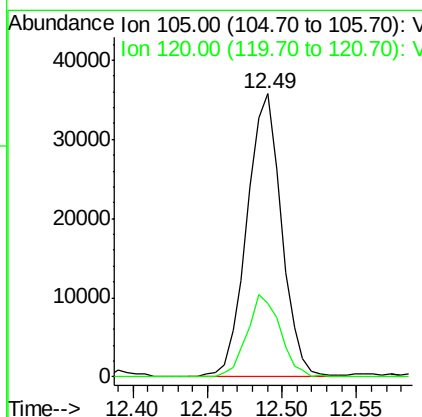
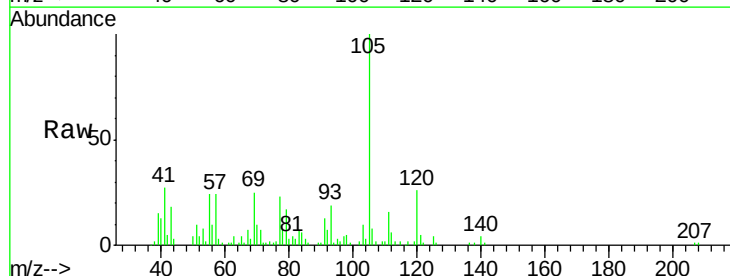
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2/7/2020 12:05:41 PM

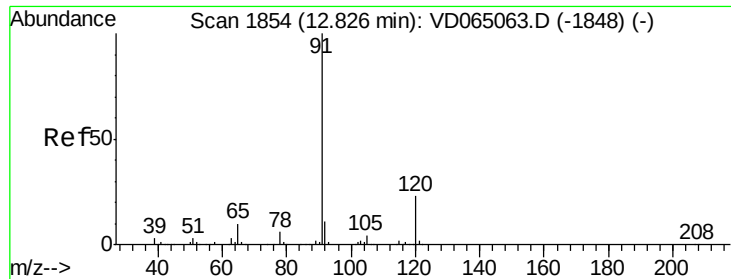


#73

Isopropylbenzene
Concen: 3.570 ug/l
RT: 12.49 min Scan# 1797
Delta R.T. 0.01 min
Lab File: VD065082.D
Acq: 06 Feb 2020 13:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.7	13.3	39.9





#78

n-propylbenzene

Concen: 4.073 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065082.D

Acq: 06 Feb 2020 13:01

Instrument :

MSVOA_D

ClientSampleId :

CL-01-020520

Tot Ion: 91 Resp: 76573

Ion Ratio Lower Upper

91 100

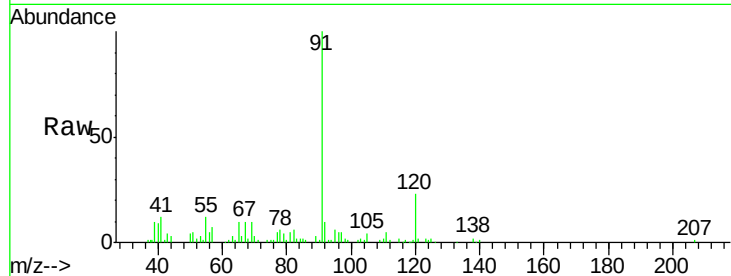
120 22.9 11.8 35.3

Manual Integrations

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2/7/2020 12:05:41 PM

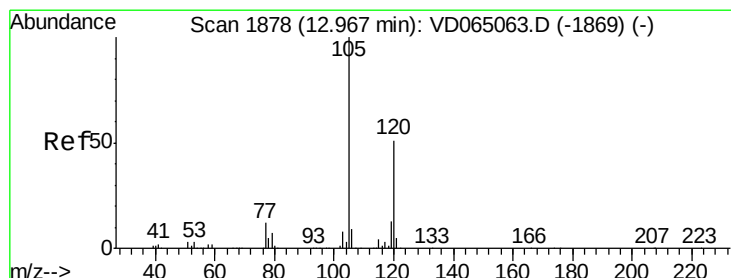
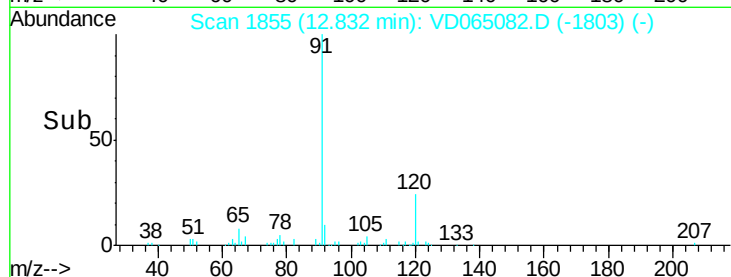


Abundance Ion 91.00 (90.70 to 91.70): VD065063.D (-1848) (-)

Ion 120.00 (119.70 to 120.70): VD065063.D (-1848) (-)

12.83

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 4.992 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065082.D

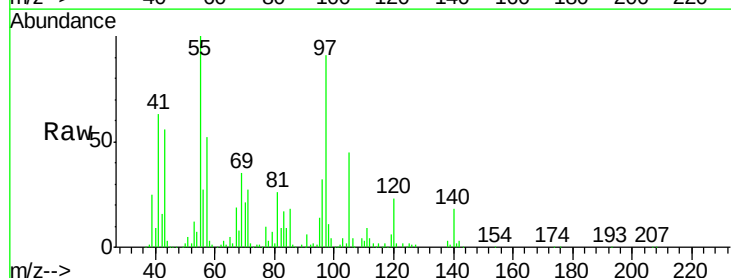
Acq: 06 Feb 2020 13:01

Tgt Ion: 105 Resp: 65551

Ion Ratio Lower Upper

105 100

120 51.9 25.1 75.4

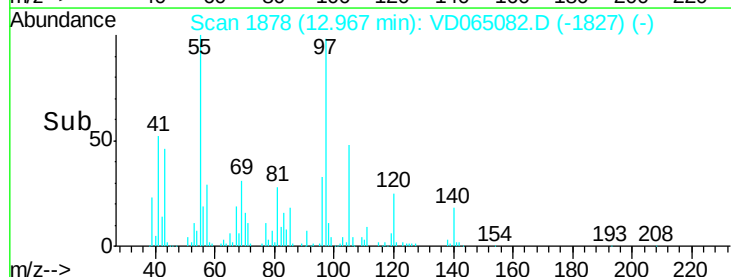


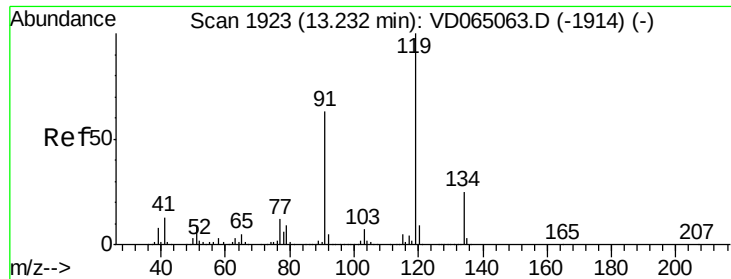
Abundance Ion 105.00 (104.70 to 105.70): VD065063.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD065063.D (-1869) (-)

12.97

Time-->





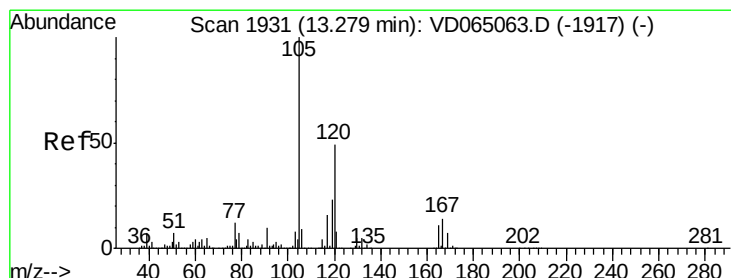
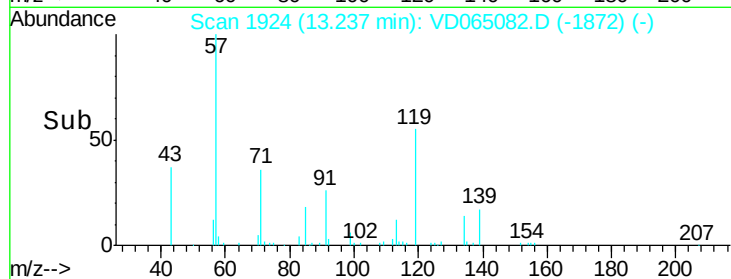
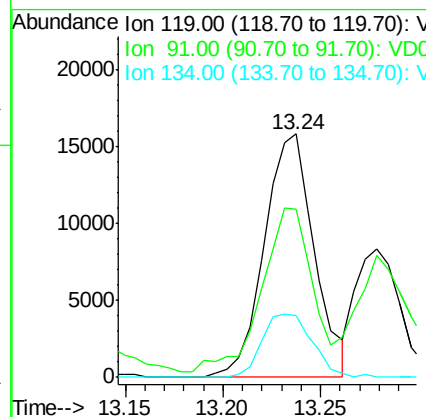
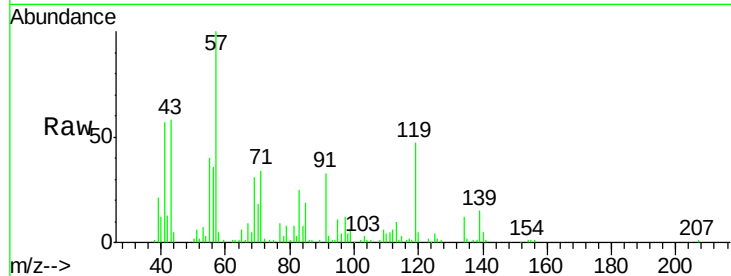
#83
 tert-Butylbenzene
 Concen: 2.469 ug/l
 RT: 13.24 min Scan# 1924
 Delta R.T. 0.01 min
 Lab File: VD065082.D
 Acq: 06 Feb 2020 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-020520

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.3	32.3	96.9
134	26.1	13.8	41.3

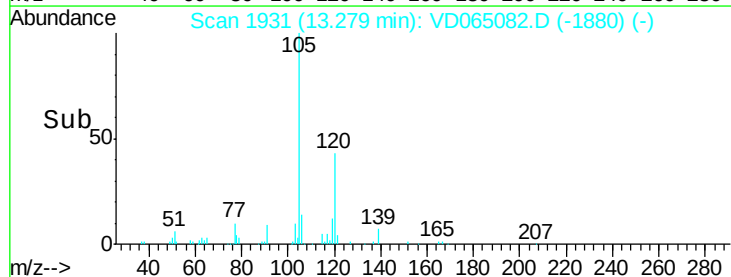
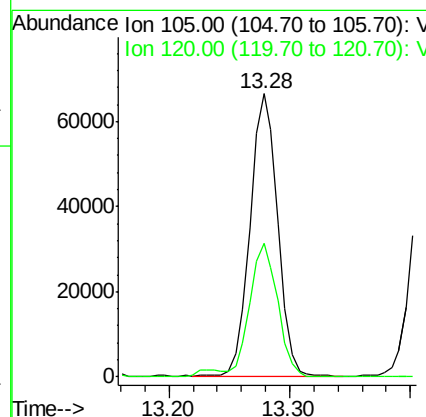
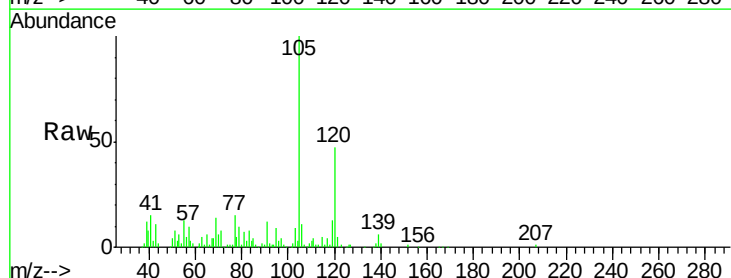
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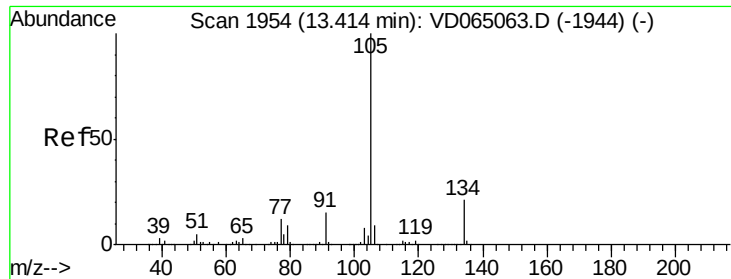
MMDadoda
 2/7/2020 12:05:41 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 8.167 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065082.D
 Acq: 06 Feb 2020 13:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.5	70.5





#85

sec-Butylbenzene

Concen: 5.323 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VD065082.D

Acq: 06 Feb 2020 13:01

Instrument :

MSVOA_D

ClientSampleId :

CL-01-020520

Tot Ion:105 Resp: 82372

Ion Ratio Lower Upper

105 100

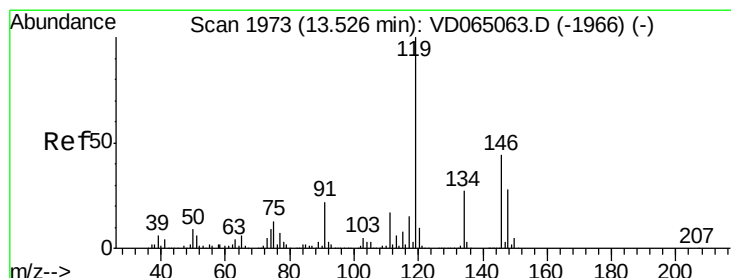
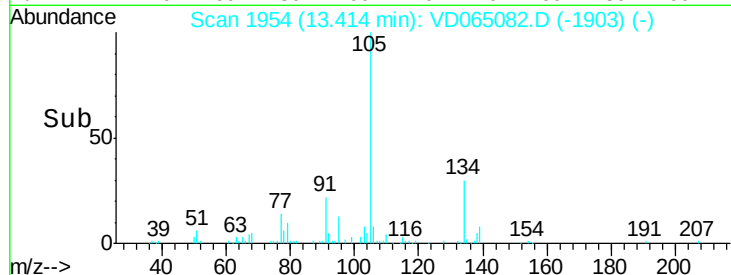
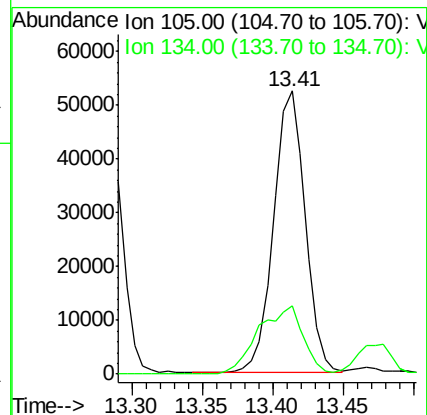
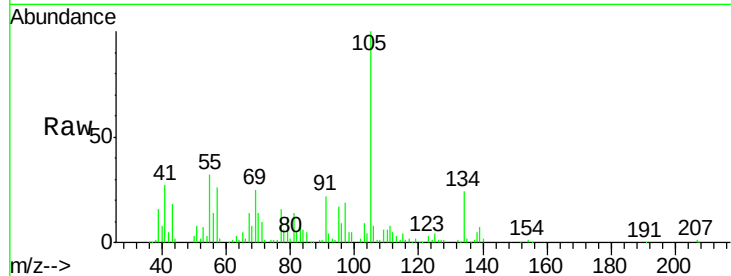
134 34.3 10.4 31.1#

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#86

p-Isopropyltoluene

Concen: 2.014 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065082.D

Acq: 06 Feb 2020 13:01

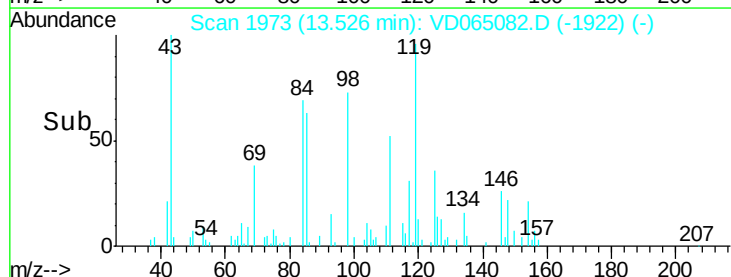
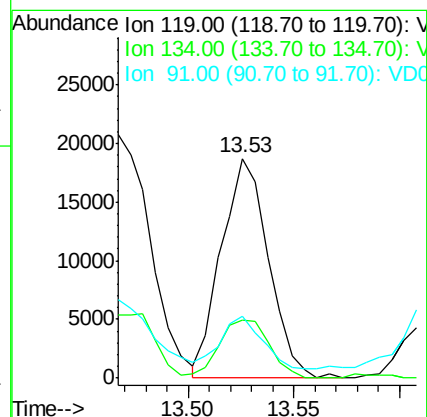
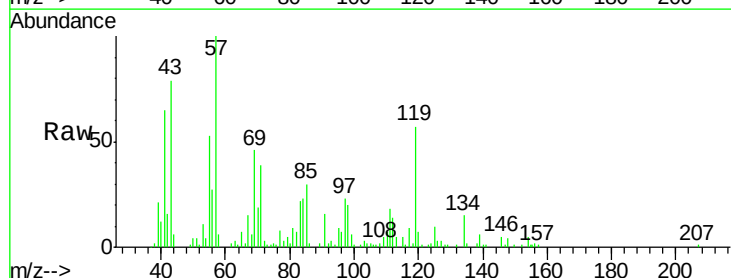
Tgt Ion:119 Resp: 28961

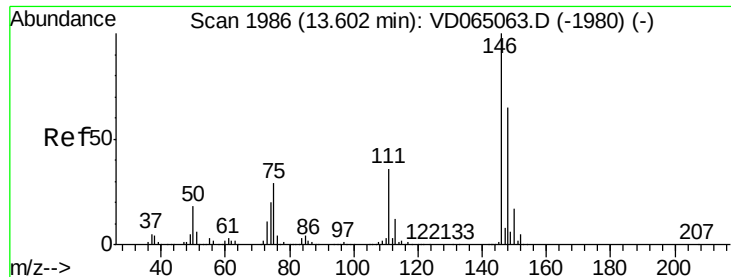
Ion Ratio Lower Upper

119 100

134 28.4 13.5 40.5

91 21.3 11.3 33.9





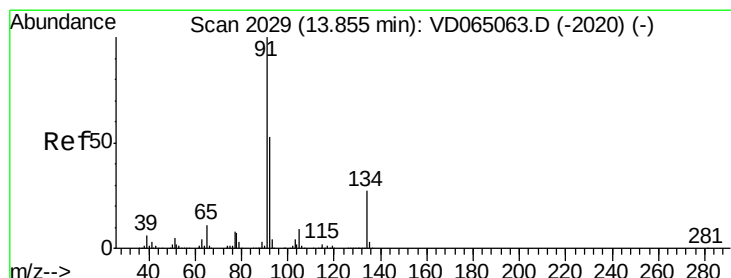
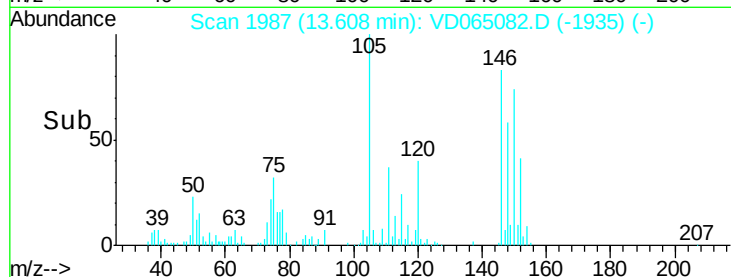
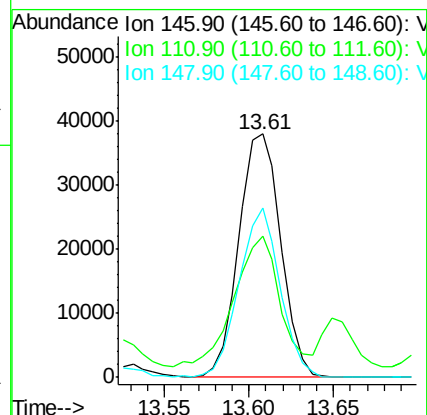
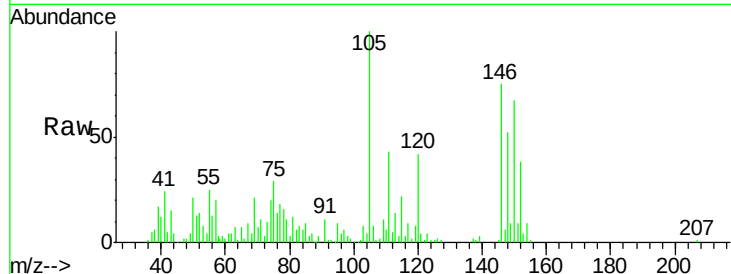
#88
 1,4-Dichlorobenzene
 Concen: 9.087 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD065082.D
 Acq: 06 Feb 2020 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-020520

Tot Ion	Ratio	Lower	Upper
146	100		
111	58.1	18.5	55.5#
148	68.0	32.7	98.1

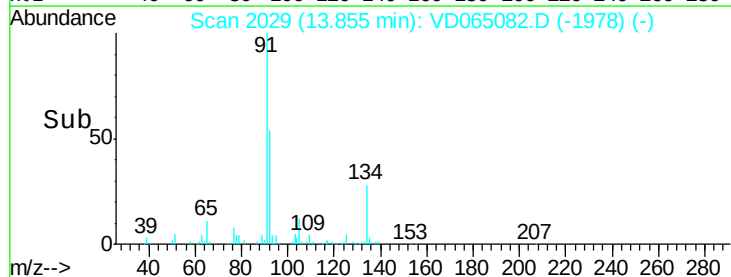
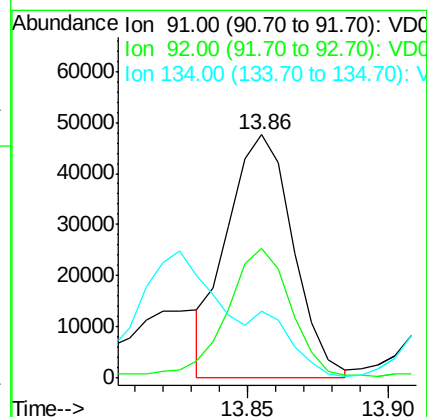
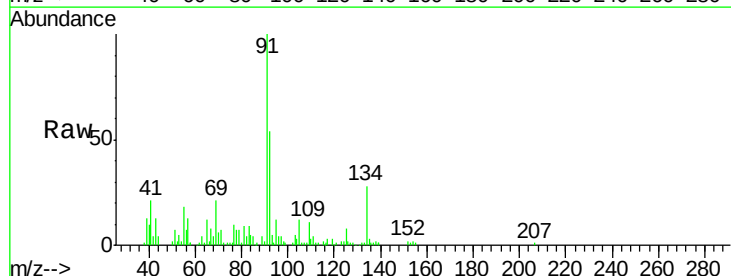
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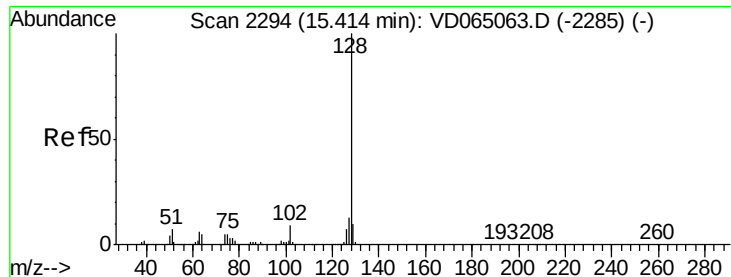
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 2/7/2020 12:05:41 PM



#89
 n-Butylbenzene
 Concen: 5.858 ug/l m
 RT: 13.86 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VD065082.D
 Acq: 06 Feb 2020 13:01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.7	80.1
134	0.0	13.4	40.2#





#95
Naphthalene
Concen: 63.563 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065082.D
Acq: 06 Feb 2020 13:01

Instrument :
MSVOA_D
ClientSampleId :
CL-01-020520

Tot Ion	Ratio	Resp	Lower	Upper
128	100	468322		
127	13.2		10.6	15.8
129	11.5		8.7	13.1

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