

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091420\
 Data File : VD066673.D
 Acq On : 14 Sep 2020 15:10
 Operator : VA/SY
 Sample : L3928-07
 Misc : 7.60G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-5-16.5-17.0

Manual Integrations
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 9/15/2020 2:28:41 PM

Quant Time: Sep 15 04:49:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	364255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	707893	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	593269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	425321	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	247497	56.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.32%	
35) Dibromofluoromethane	7.91	113	232471	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
50) Toluene-d8	10.34	98	1037383	60.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.56%	
62) 4-Bromofluorobenzene	12.63	95	887247	156.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	313.54%	
Target Compounds						
					Qvalue	
16) Acetone	4.16	43	9169	11.307	ug/l #	83
20) Methylene Chloride	4.96	84	61480	8.406	ug/l	91
39) Methylcyclohexane	9.35	83	677121	82.311	ug/l	95
64) Tetrachloroethene	10.87	164	6616	1.656	ug/l #	77
67) Ethyl Benzene	11.74	91	6994171	311.082	ug/l	97
68) m/p-Xylenes	11.86	106	4410648	528.335	ug/l	99
69) o-Xylene	12.18	106	1151601	153.924	ug/l	94
73) Isopropylbenzene	12.48	105	7112465	225.862	ug/l	99
78) n-propylbenzene	12.83	91	11339689	297.051	ug/l	96
80) 1,3,5-Trimethylbenzene	12.97	105	8798465	331.962	ug/l	92
83) tert-Butylbenzene	13.23	119	234567m	10.838	ug/l	
84) 1,2,4-Trimethylbenzene	13.27	105	22406792m	849.121	ug/l	
85) sec-Butylbenzene	13.41	105	12770200	409.526	ug/l	88
86) p-Isopropyltoluene	13.53	119	8398424	299.230	ug/l	97
89) n-Butylbenzene	13.85	91	5910962	216.119	ug/l #	76
95) Naphthalene	15.41	128	8085411	632.858	ug/l	100

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

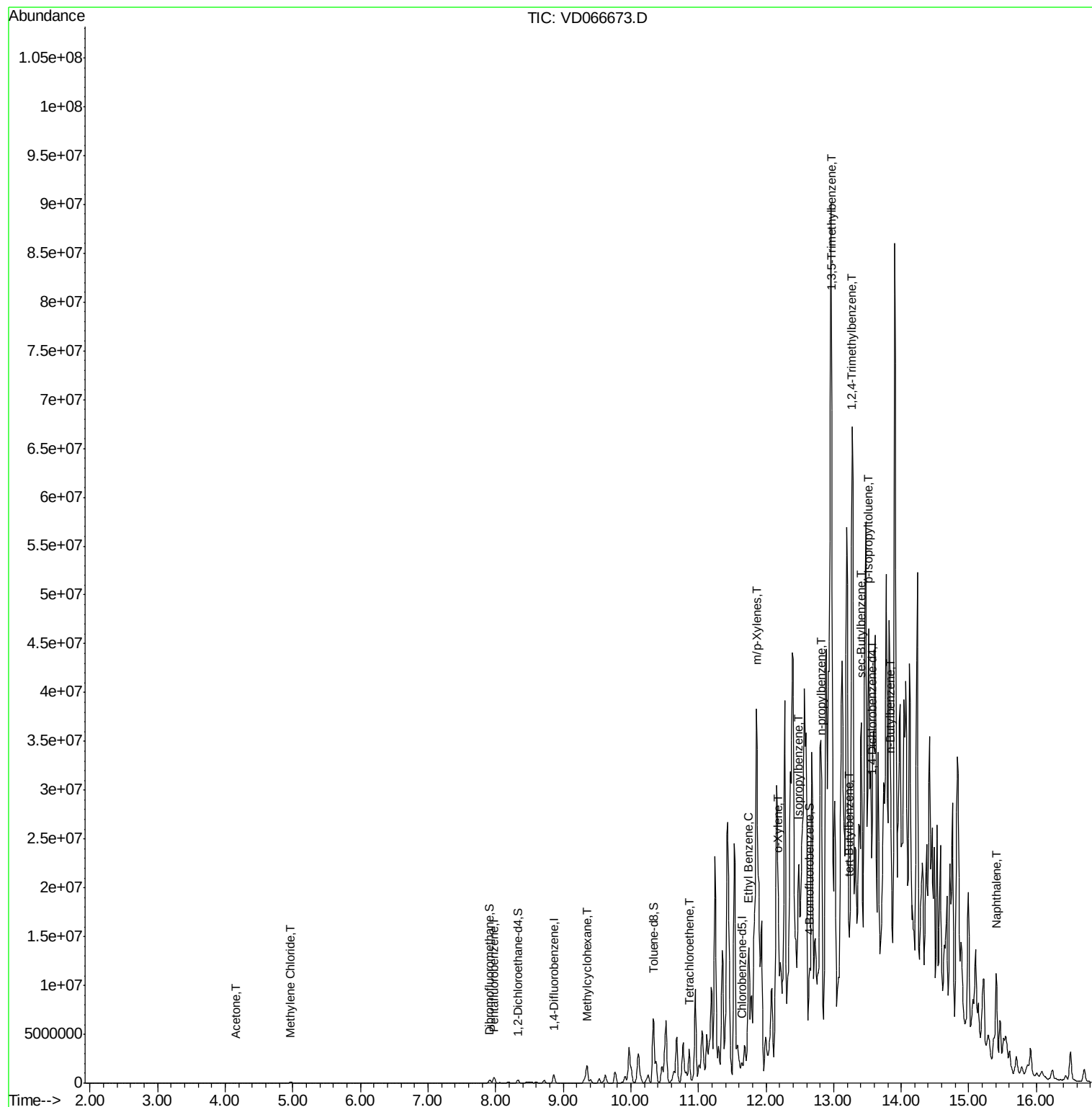
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091420\
Data File : VD066673.D
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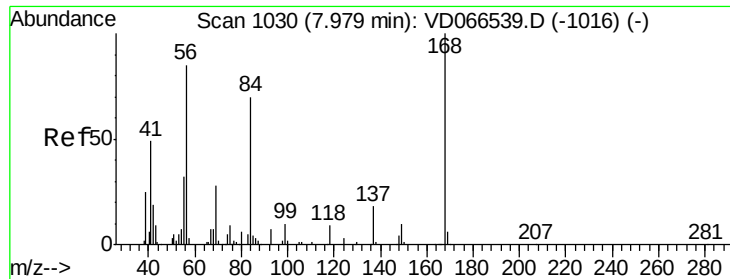
Instrument :
MSVOA_D
ClientSampleId :
SB-5-16.5-17.0

Manual Integrations
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Quant Time: Sep 15 04:49:49 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066673.D

Acq: 14 Sep 2020 15:10

Instrument :

MSVOA_D

ClientSampleId :

SB-5-16.5-17.0

Tot Ion:168 Resp: 364255

Ion Ratio Lower Upper

168 100

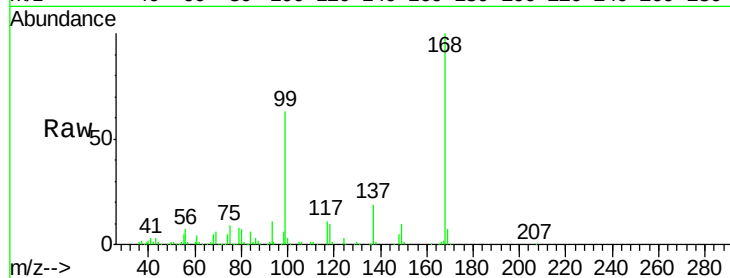
99 62.7 50.5 75.7

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

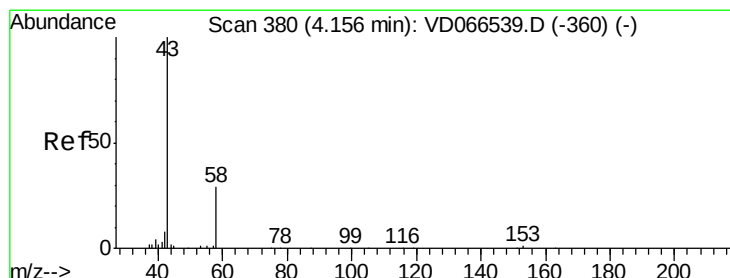
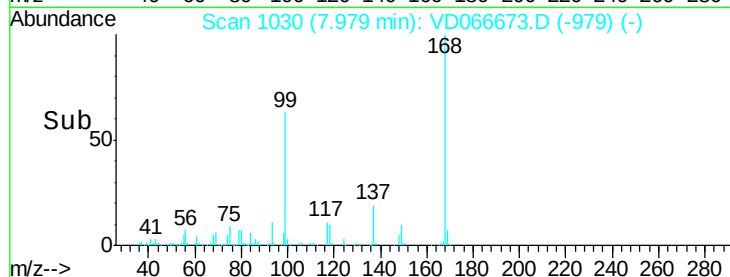
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 11.307 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066673.D

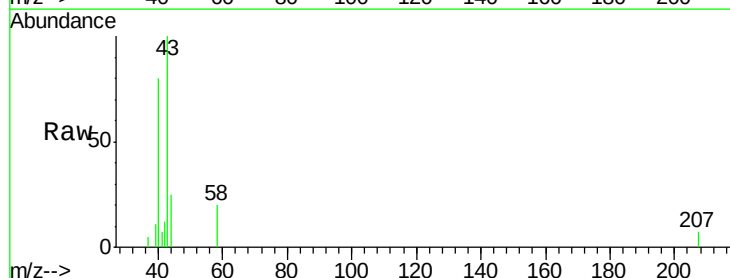
Acq: 14 Sep 2020 15:10

Tgt Ion: 43 Resp: 9169

Ion Ratio Lower Upper

43 100

58 19.7 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

4000

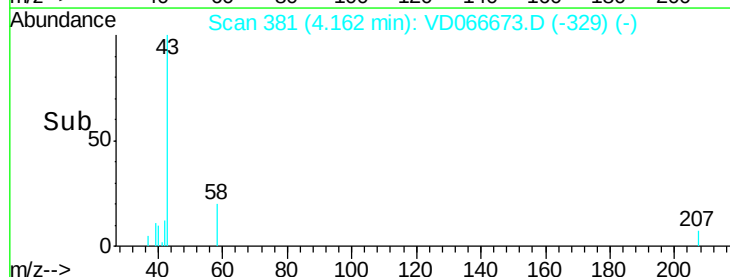
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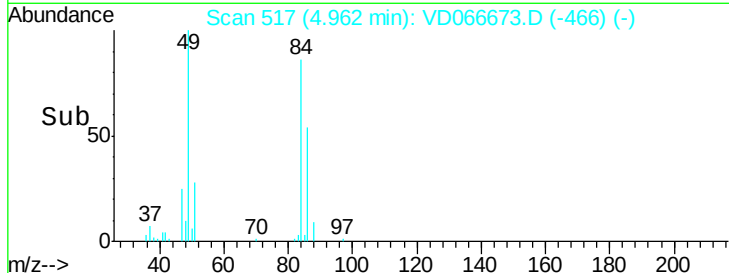
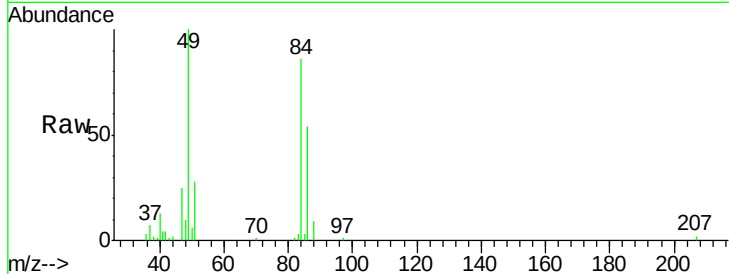
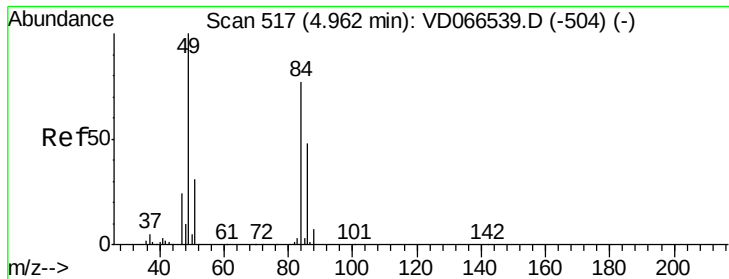
2000

1000

0

Time-->





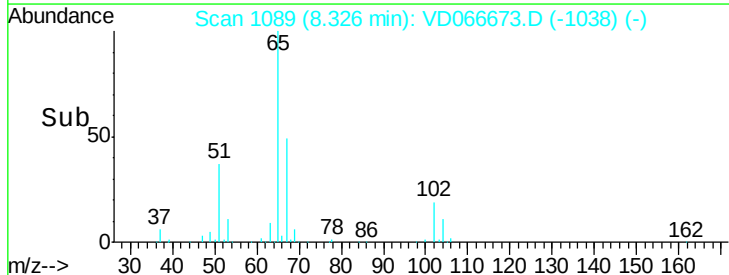
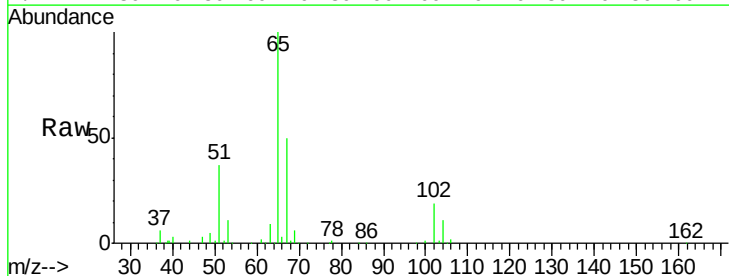
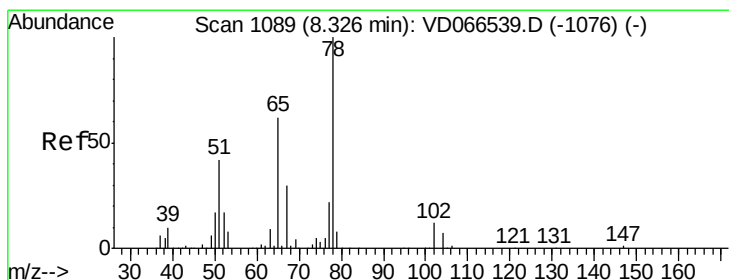
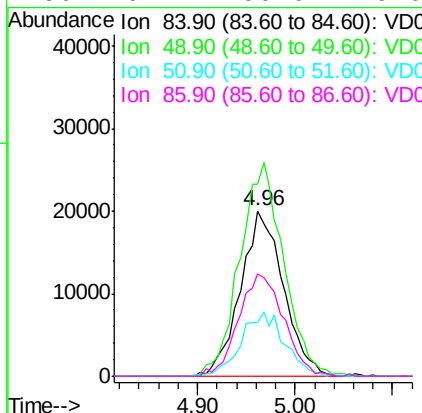
#20
Methylene Chloride
Concen: 8.406 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD066673.D
Acq: 14 Sep 2020 15:10

Tot Ion	Ratio	Lower	Upper
84	100		
49	115.7	104.3	156.5
51	32.8	32.2	48.4
86	62.1	50.0	75.0

Instrument :
MSVOA_D
ClientSampleId :
SB-5-16.5-17.0

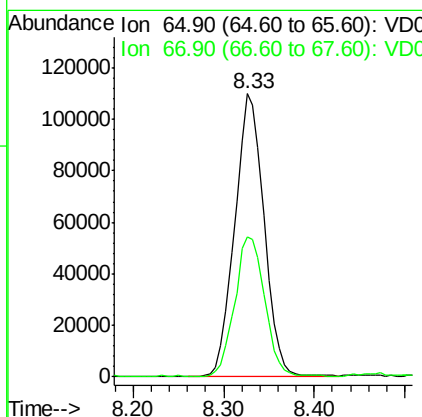
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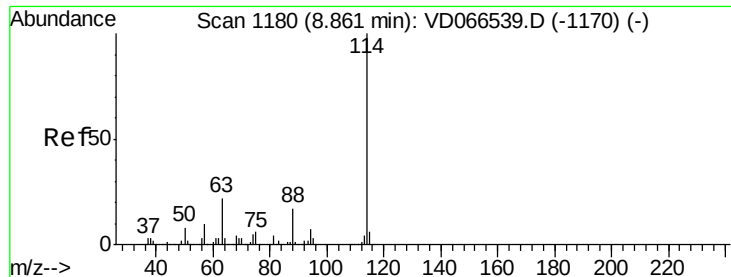
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#33
1,2-Dichloroethane-d4
Concen: 56.158 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VD066673.D
Acq: 14 Sep 2020 15:10

Tgt Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066673.D

Acq: 14 Sep 2020 15:10

Instrument :

MSVOA_D

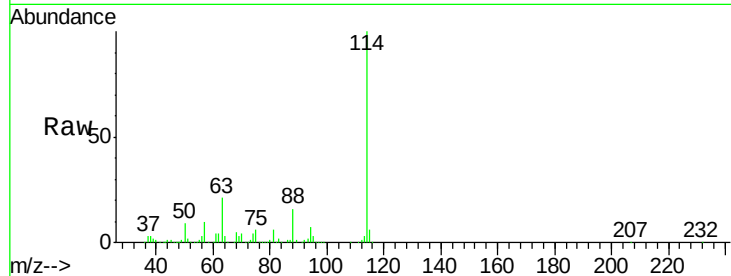
ClientSampleId :

SB-5-16.5-17.0

Tot Ion:	114	Resp:	707893
Ion Ratio	Lower	Upper	
114	100		
63	21.5	0.0	43.2
88	15.6	0.0	33.2

Manual Integrations
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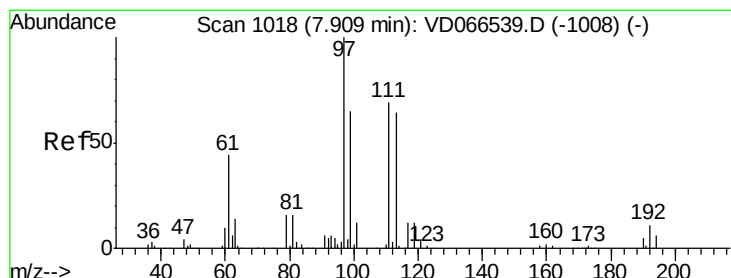
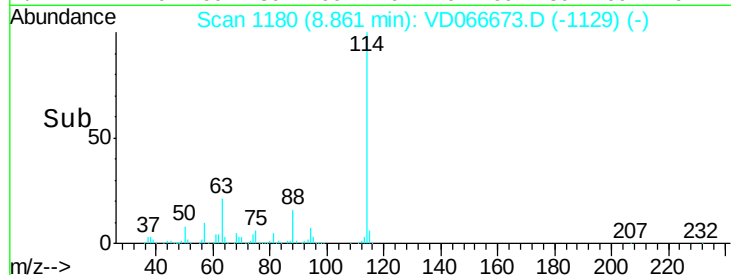
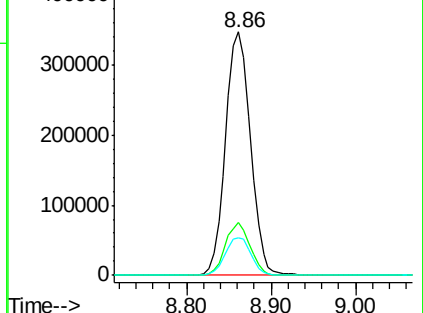
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Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 48.680 ug/l

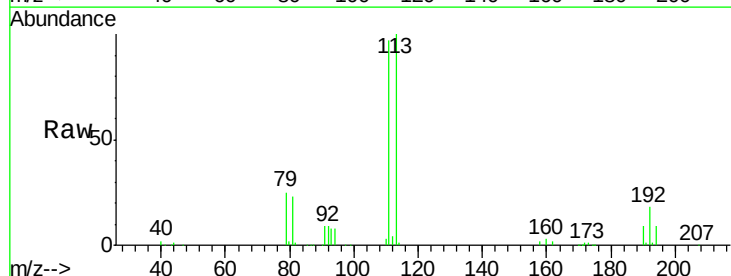
RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD066673.D

Acq: 14 Sep 2020 15:10

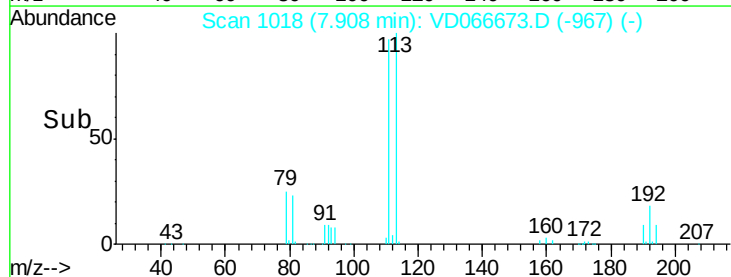
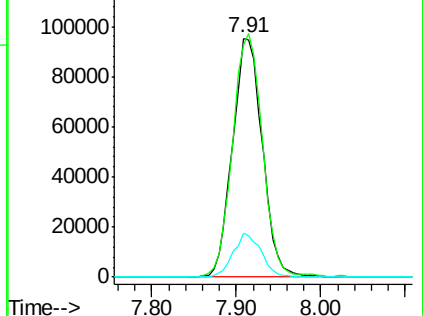
Tgt Ion:	113	Resp:	232471
Ion Ratio	Lower	Upper	
113	100		
111	102.1	83.2	124.8
192	17.2	13.7	20.5

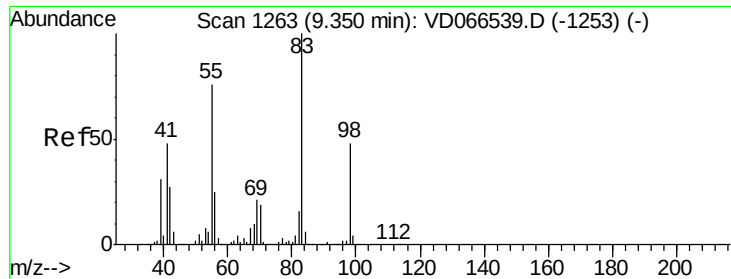


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





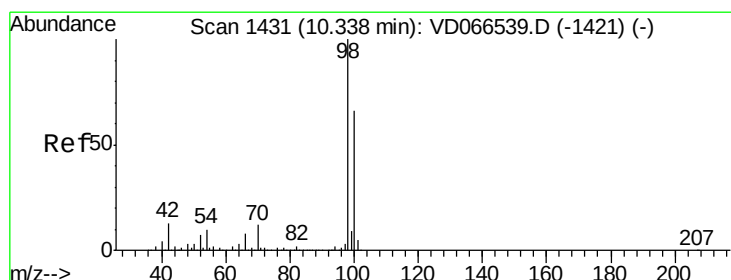
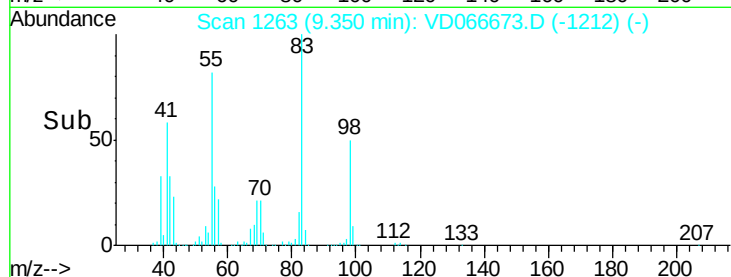
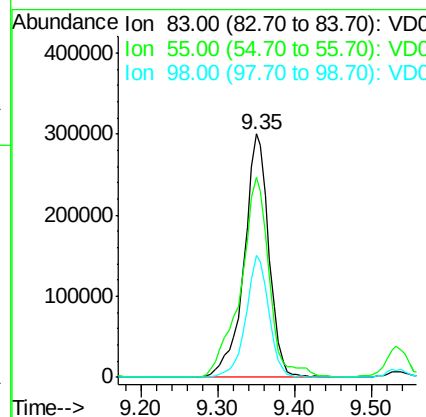
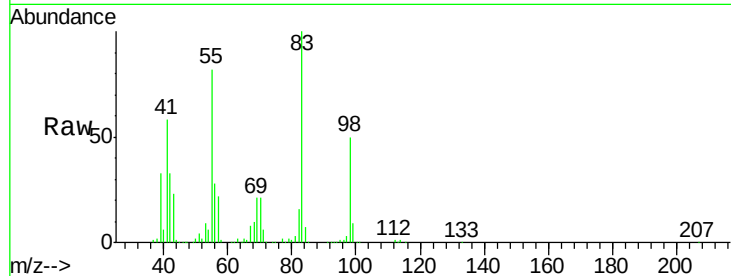
#39
Methylcyclohexane
Concen: 82.311 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066673.D
Acq: 14 Sep 2020 15:10

Instrument :
MSVOA_D
ClientSampleId :
SB-5-16.5-17.0

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.9	60.8	91.2
98	49.9	38.6	58.0

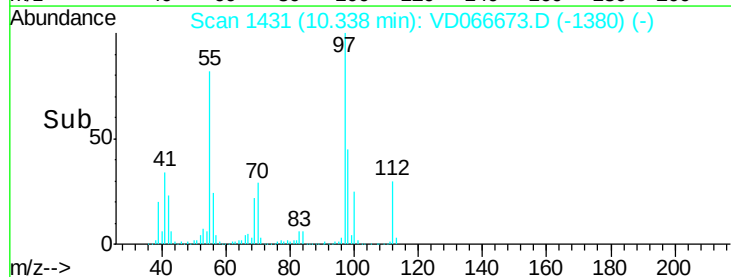
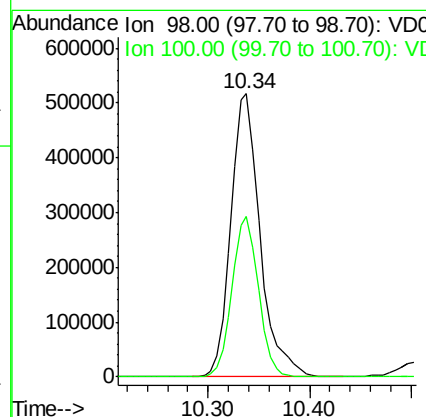
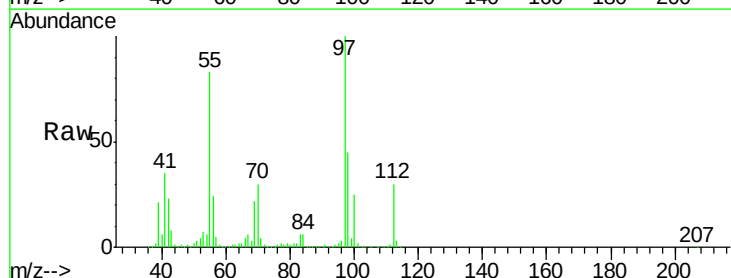
Manual Integrations
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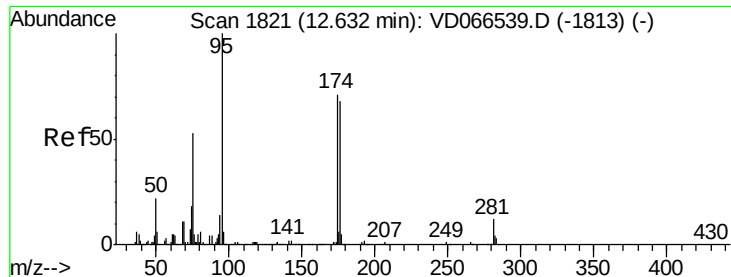
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#50
Toluene-d8
Concen: 60.778 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066673.D
Acq: 14 Sep 2020 15:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	51.1	52.9	79.3#





#62

4-Bromofluorobenzene

Concen: 156.766 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066673.D

Acq: 14 Sep 2020 15:10

Instrument :

MSVOA_D

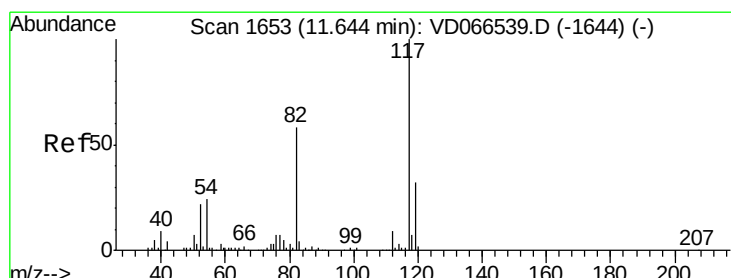
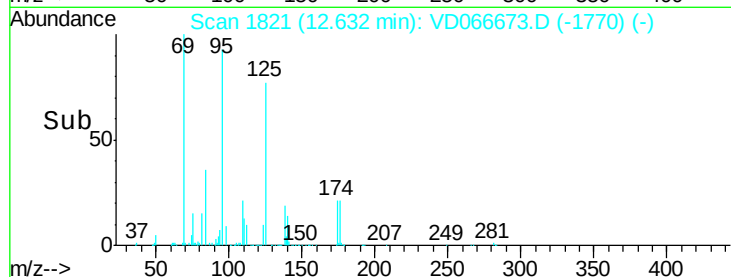
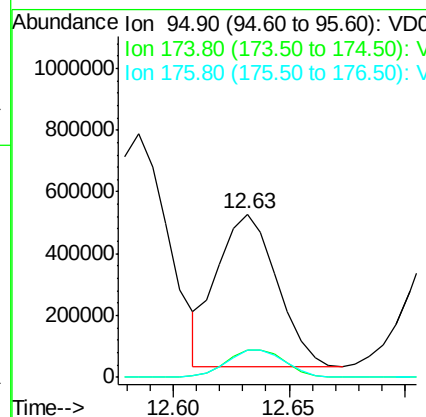
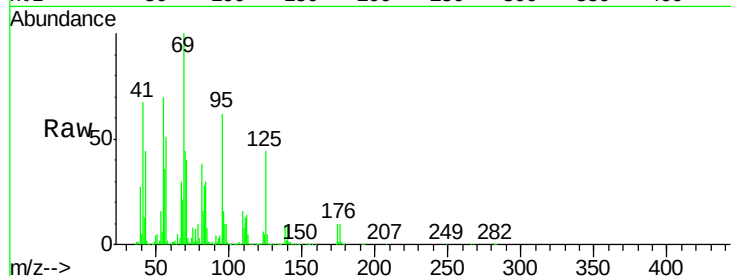
ClientSampleId :

SB-5-16.5-17.0

Tot Ion:	95	Resp:	887247
Ion Ratio	Lower	Upper	
95	100		
174	17.9	0.0	155.8
176	17.4	0.0	148.6

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

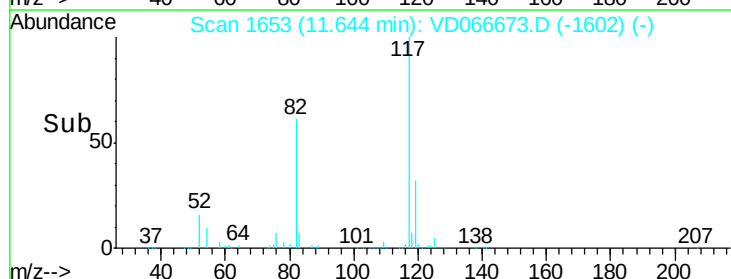
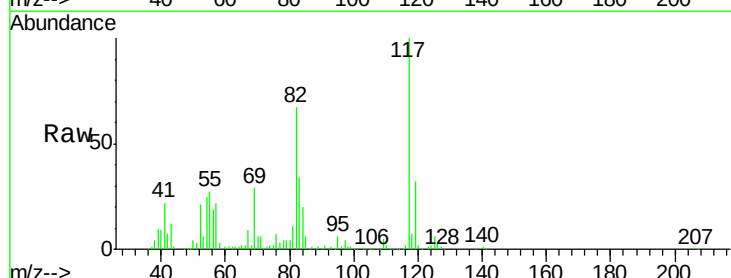
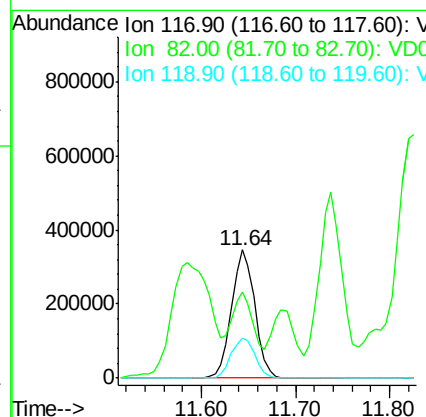
RT: 11.64 min Scan# 1653

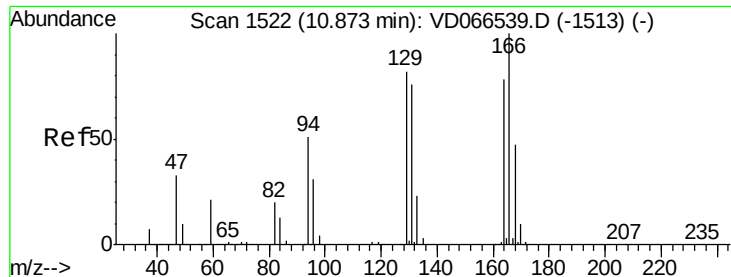
Delta R.T. -0.00 min

Lab File: VD066673.D

Acq: 14 Sep 2020 15:10

Tgt Ion:	117	Resp:	593269
Ion Ratio	Lower	Upper	
117	100		
82	0.0	46.2	69.2#
119	31.7	25.8	38.8





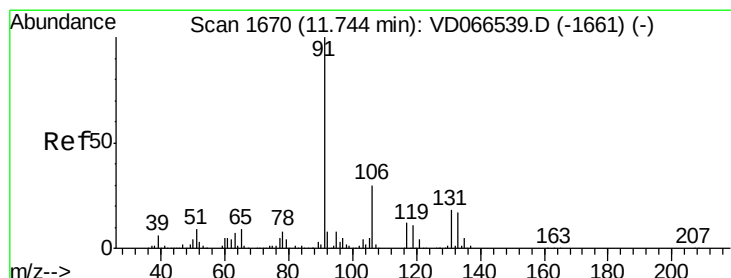
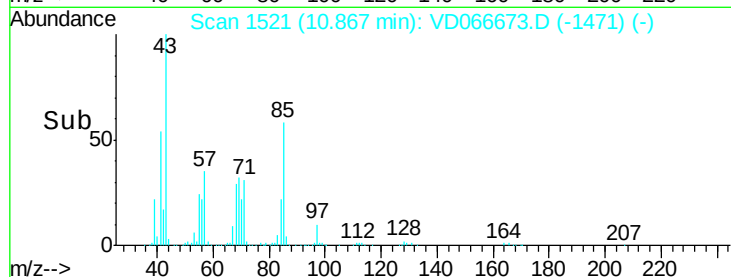
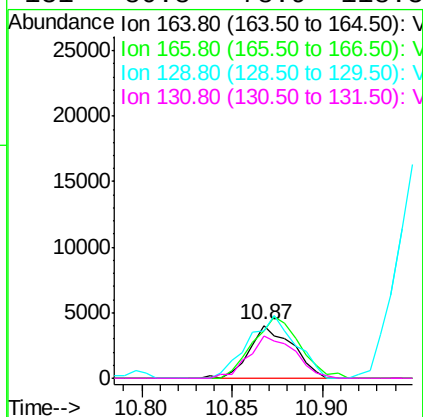
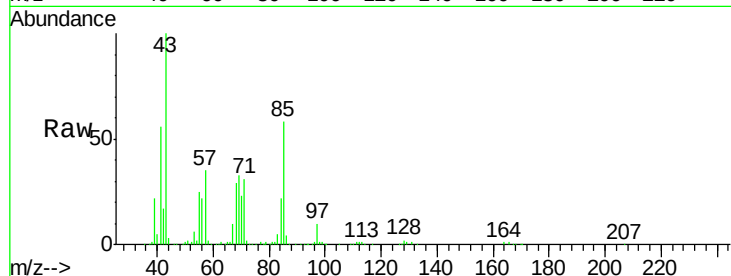
#64
Tetrachloroethene
Concen: 1.656 ug/l
RT: 10.87 min Scan# 1521
Delta R.T. -0.01 min
Lab File: VD066673.D
Acq: 14 Sep 2020 15:10

Instrument :
MSVOA_D
ClientSampleId :
SB-5-16.5-17.0

Tot Ion	Ratio	Lower	Upper
164	100		
166	90.2	103.2	154.8#
129	89.5	84.5	126.7
131	80.8	78.9	118.3

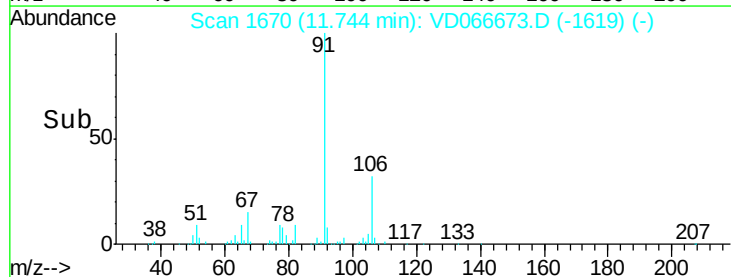
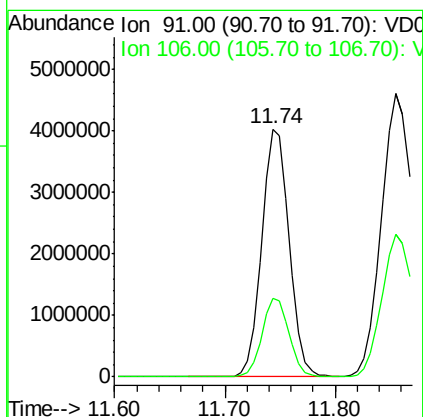
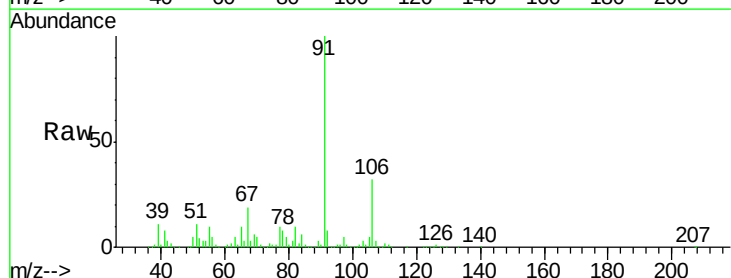
Manual Integrations
APPROVED

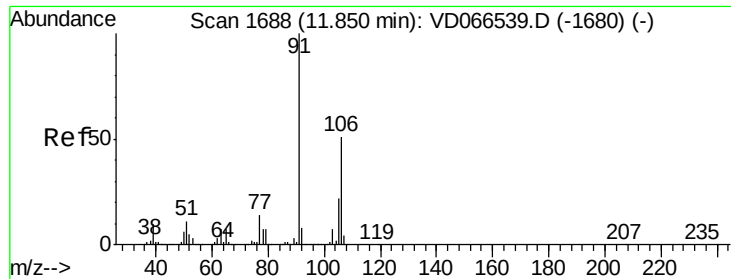
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#67
Ethyl Benzene
Concen: 311.082 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066673.D
Acq: 14 Sep 2020 15:10

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.8	24.3	36.5





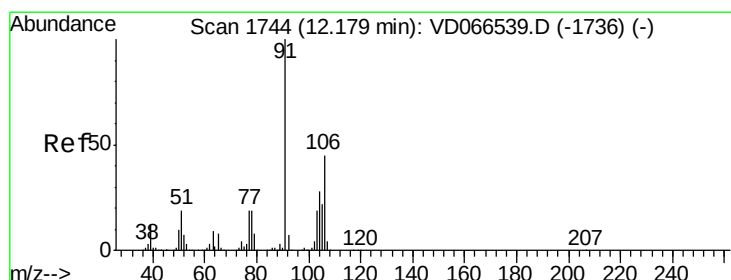
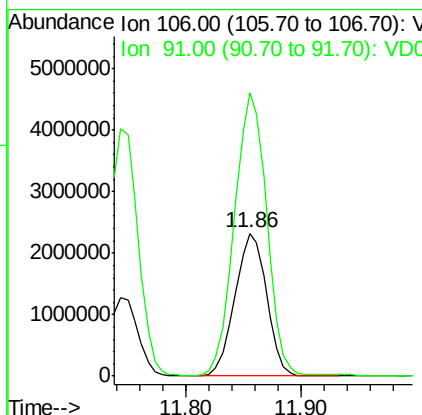
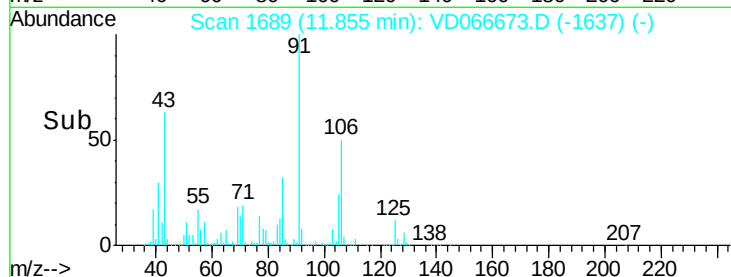
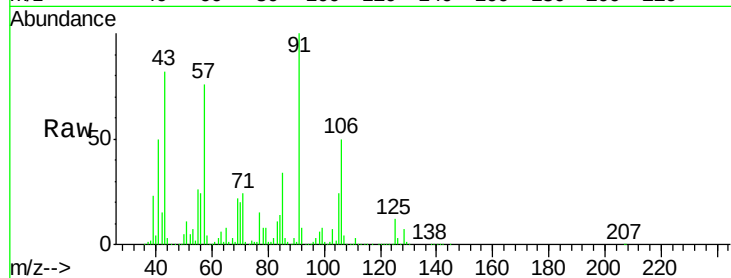
#68
m/p-Xylenes
Concen: 528.335 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VD066673.D
Acq: 14 Sep 2020 15:10

Instrument :
MSVOA_D
ClientSampleId :
SB-5-16.5-17.0

Tot Ion:106 Resp: 4410648
Ion Ratio Lower Upper
106 100
91 201.1 162.4 243.6

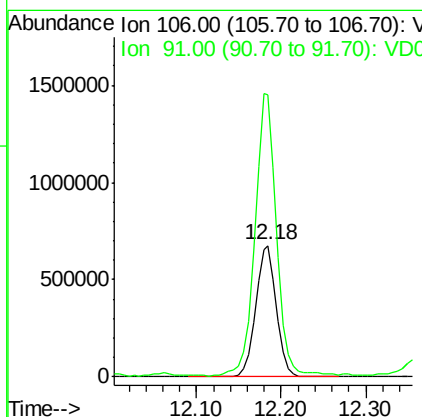
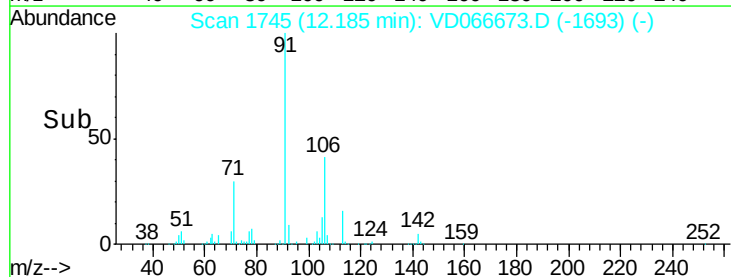
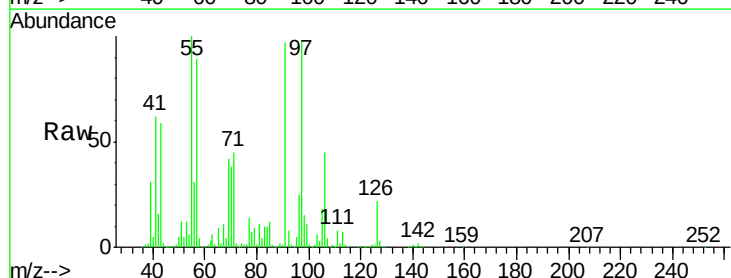
Manual Integrations
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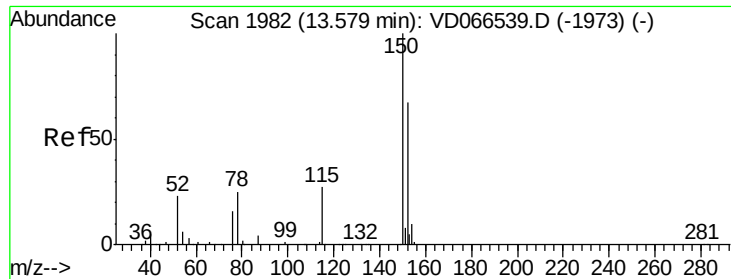
MMDadoda
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#69
o-Xylene
Concen: 153.924 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD066673.D
Acq: 14 Sep 2020 15:10

Tgt Ion:106 Resp: 1151601
Ion Ratio Lower Upper
106 100
91 225.6 107.9 323.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1980

Delta R.T. -0.01 min

Lab File: VD066673.D

Acq: 14 Sep 2020 15:10

Instrument :

MSVOA_D

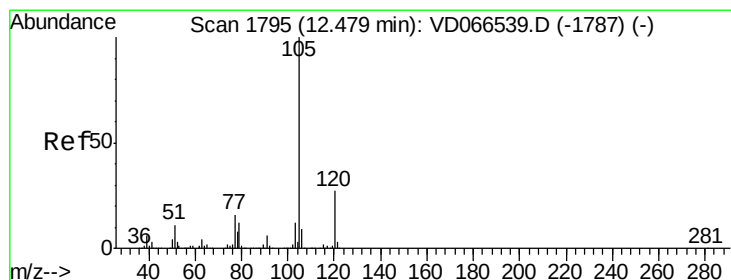
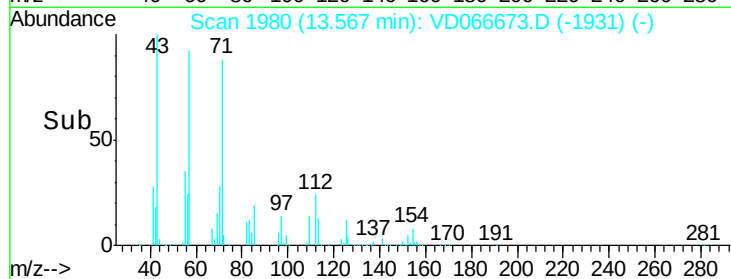
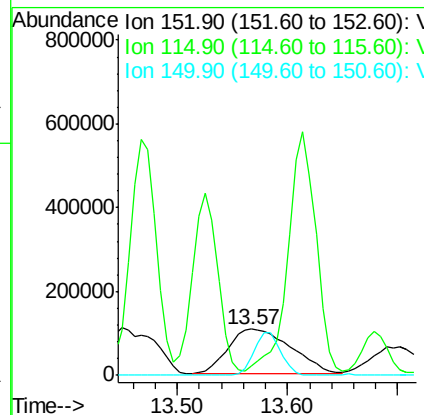
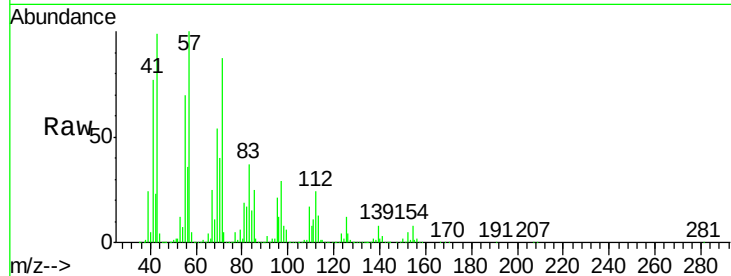
ClientSampleId :

SB-5-16.5-17.0

Tot Ion	Ratio	Lower	Upper
152	100		
115	0.0	30.4	91.2#
150	40.9	0.0	345.8

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#73

Isopropylbenzene

Concen: 225.862 ug/l

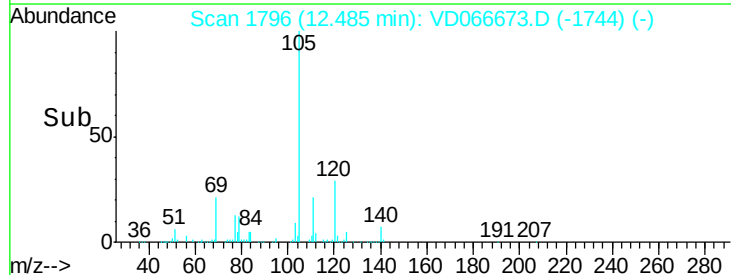
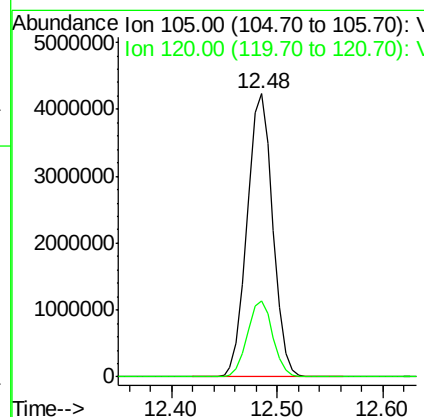
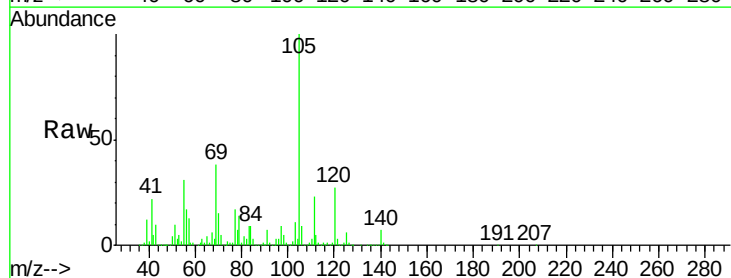
RT: 12.48 min Scan# 1796

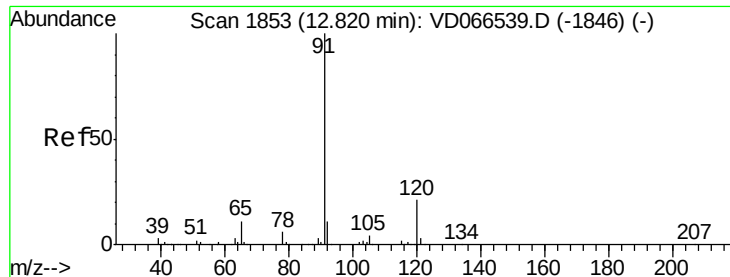
Delta R.T. 0.01 min

Lab File: VD066673.D

Acq: 14 Sep 2020 15:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.0	39.0





#78

n-propylbenzene

Concen: 297.051 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD066673.D

Acq: 14 Sep 2020 15:10

Instrument :

MSVOA_D

ClientSampleId :

SB-5-16.5-17.0

Tot Ion: 91 Resp: 11339689

Ion Ratio Lower Upper

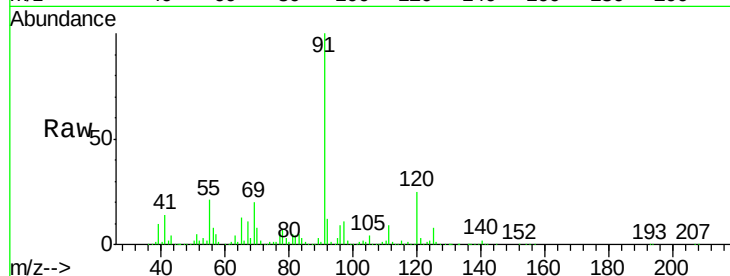
91 100

120 24.2 11.1 33.1

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Abundance Ion 91.00 (90.70 to 91.70): VD066539.D (-1846) (-)

Ion 120.00 (119.70 to 120.70): VD066539.D (-1846) (-)

12.83

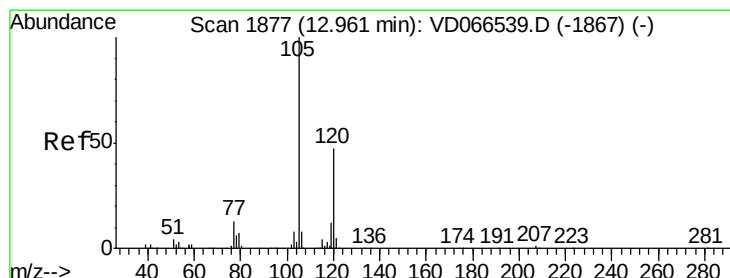
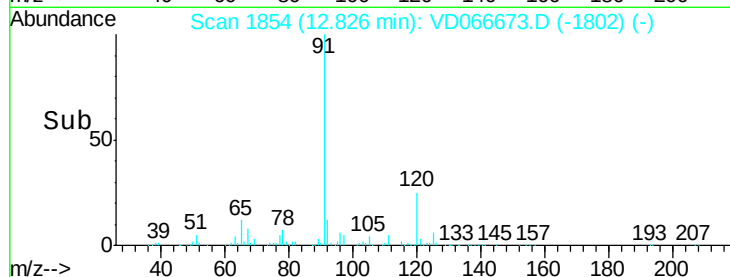
6000000

4000000

2000000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 331.962 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD066673.D

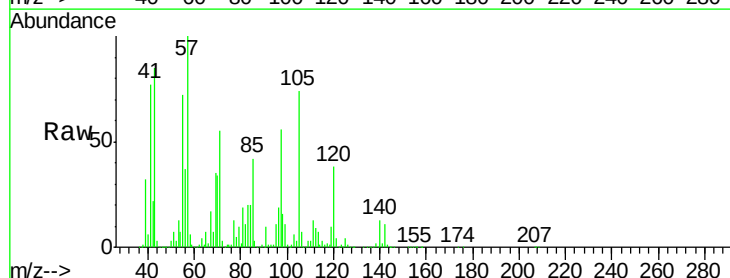
Acq: 14 Sep 2020 15:10

Tgt Ion: 105 Resp: 8798465

Ion Ratio Lower Upper

105 100

120 53.1 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): VD066539.D (-1867) (-)

Ion 120.00 (119.70 to 120.70): VD066539.D (-1867) (-)

12.97

8000000

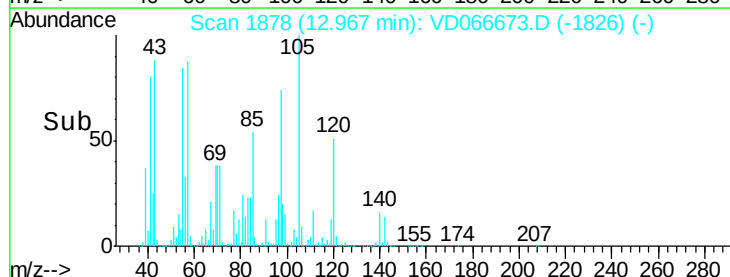
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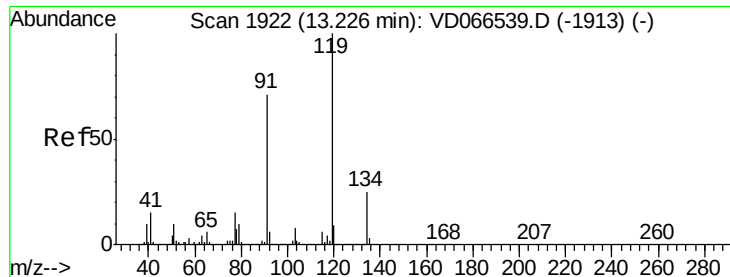
4000000

2000000

0

Time-->





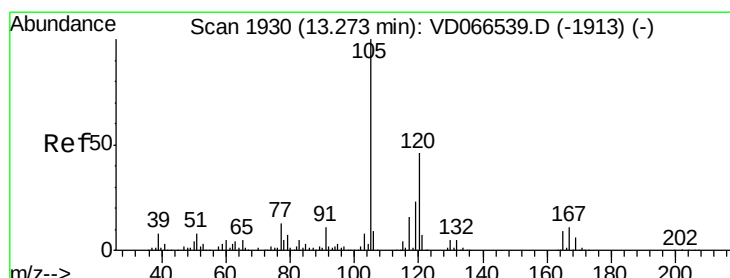
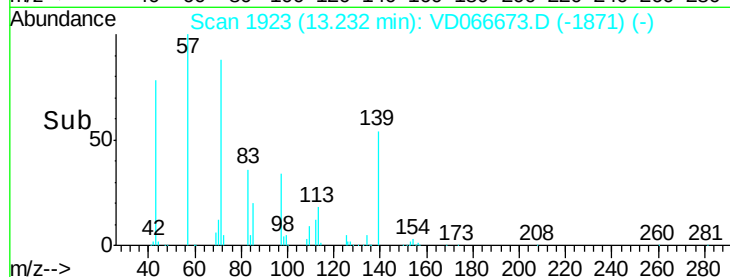
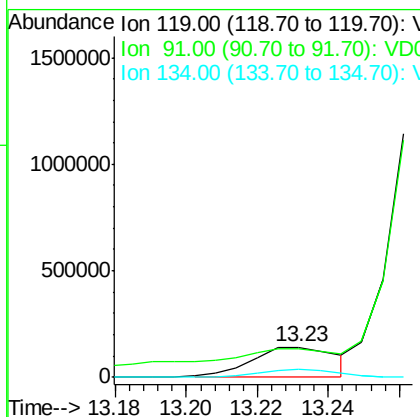
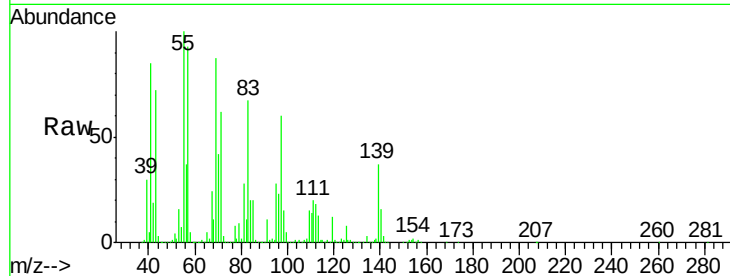
#83
 tert-Butylbenzene
 Concen: 10.838 ug/l m
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD066673.D
 Acq: 14 Sep 2020 15:10

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-5-16.5-17.0

Tot Ion:119 Resp: 234567
 Ion Ratio Lower Upper
 119 100
 91 2132.2 35.2 105.6
 134 0.0 13.5 40.5#

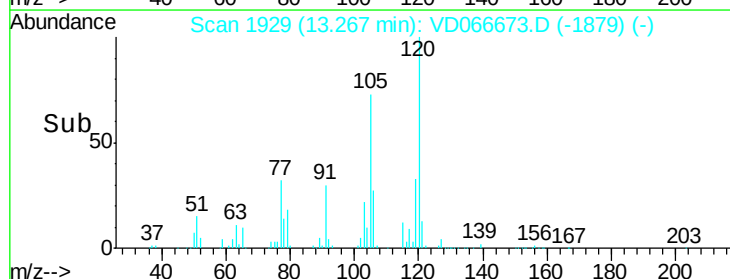
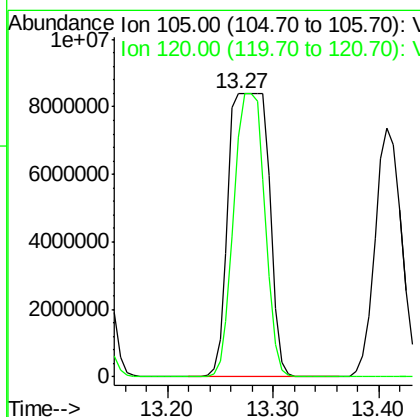
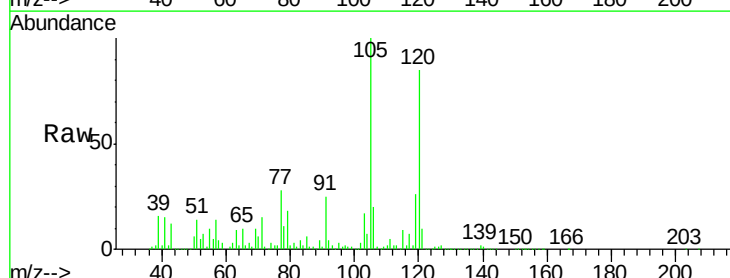
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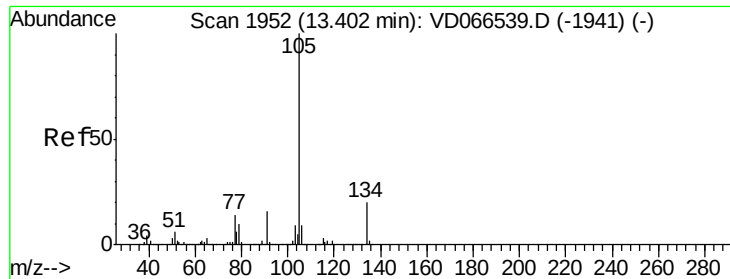
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#84
 1,2,4-Trimethylbenzene
 Concen: 849.121 ug/l m
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD066673.D
 Acq: 14 Sep 2020 15:10

Tgt Ion:105 Resp:22406792
 Ion Ratio Lower Upper
 105 100
 120 31.5 22.6 67.7





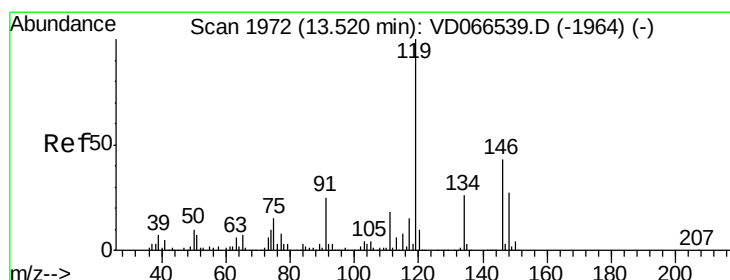
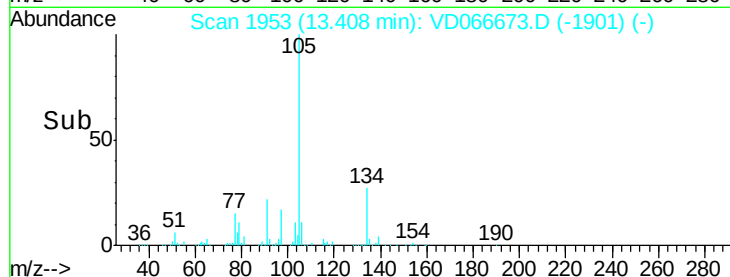
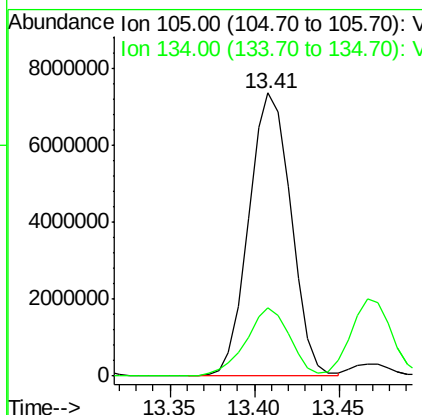
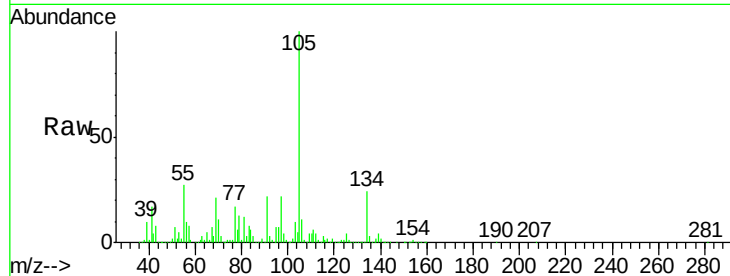
#85
 sec-Butylbenzene
 Concen: 409.526 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.01 min
 Lab File: VD066673.D
 Acq: 14 Sep 2020 15:10

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-5-16.5-17.0

Tot Ion:105 Resp:12770200
 Ion Ratio Lower Upper
 105 100
 134 25.2 9.8 29.5

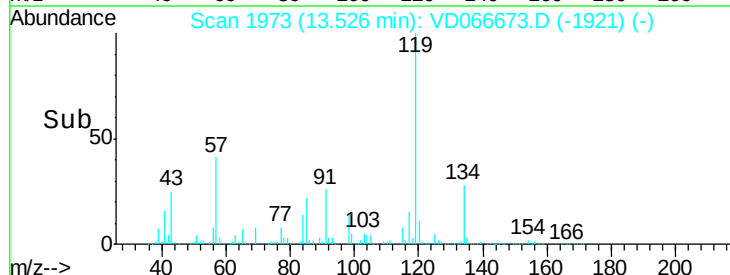
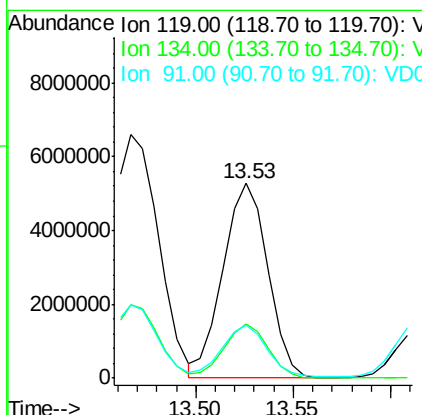
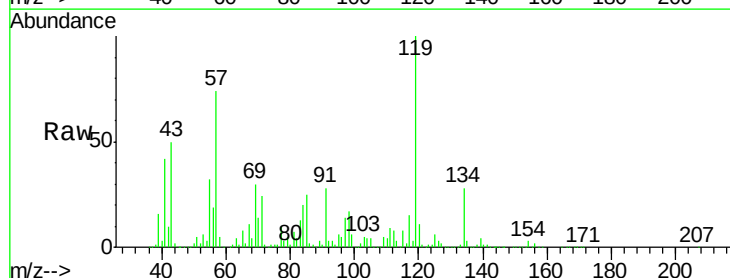
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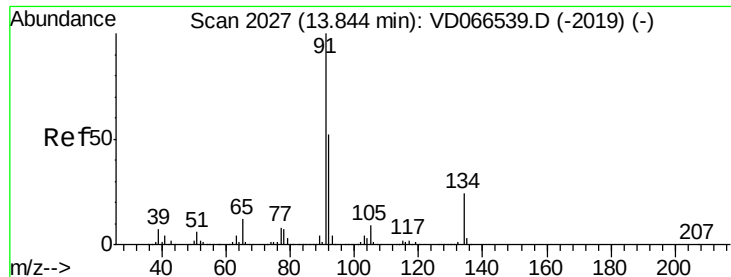
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#86
 p-Isopropyltoluene
 Concen: 299.230 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD066673.D
 Acq: 14 Sep 2020 15:10

Tgt Ion:119 Resp: 8398424
 Ion Ratio Lower Upper
 119 100
 134 27.0 12.7 38.0
 91 25.9 12.5 37.5





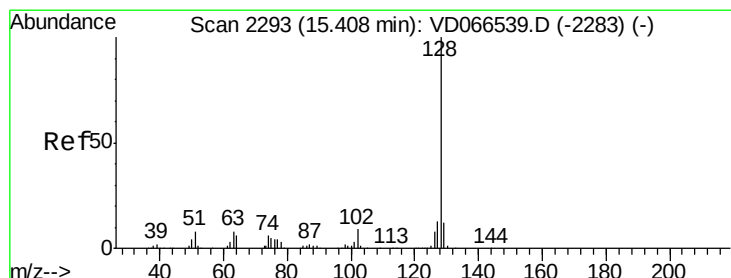
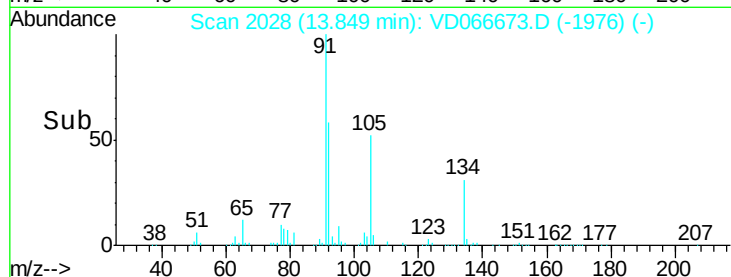
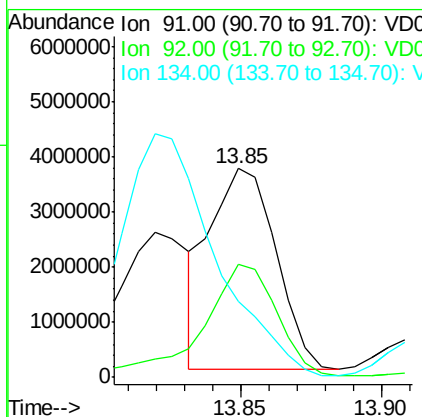
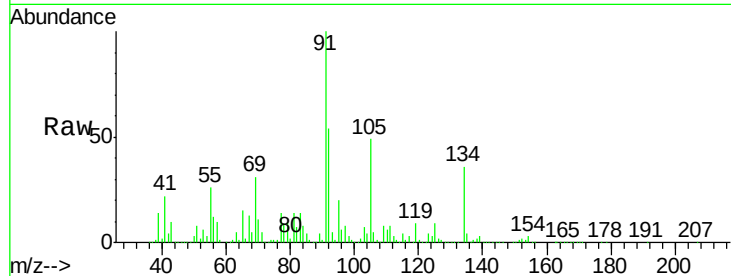
#89
n-Butylbenzene
Concen: 216.119 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD066673.D
Acq: 14 Sep 2020 15:10

Instrument :
MSVOA_D
ClientSampleId :
SB-5-16.5-17.0

Tot Ion: 91 Resp: 5910962
Ion Ratio Lower Upper
91 100
92 62.1 26.5 79.5
134 0.0 12.1 36.3#

Manual Integrations
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#95
Naphthalene
Concen: 632.858 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066673.D
Acq: 14 Sep 2020 15:10

Tgt Ion:128 Resp: 8085411
Ion Ratio Lower Upper
128 100
127 13.3 10.7 16.1
129 11.4 9.1 13.7

