

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058259.D
 Acq On : 21 Jun 2018 18:25
 Operator : VA/AP
 Sample : J3617-01
 Misc : 5.84g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 F3-58-SRI3

Manual Integrations
 APPROVED

apatel
 6/22/2018 10:11:30 AM

Quant Time: Jun 22 07:07:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	632775	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	800165	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	662386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	341594	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	325126	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
35) Dibromofluoromethane	5.56	113	319626	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	
50) Toluene-d8	8.72	98	764827	48.54	ug/l	0.00
Spiked Amount			Recovery	=	97.08%	
62) 4-Bromofluorobenzene	11.94	95	399885	62.13	ug/l	0.00
Spiked Amount			Recovery	=	124.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.60	43	586570	671.07	ug/l	95
20) Methylene Chloride	3.07	84	15799	2.39	ug/l #	85
25) 2-Butanone	4.84	43	778573	408.68	ug/l	93
40) Benzene	6.01	78	51625	2.74	ug/l #	81
52) Toluene	8.81	92	129159	12.03	ug/l	98
59) 2-Hexanone	9.79	43	329803	116.37	ug/l	97
67) Ethyl Benzene	10.86	91	223934	10.24	ug/l	96
68) m/p-Xylenes	11.01	106	89704	12.30	ug/l	89
69) o-Xylene	11.42	106	124006	17.80	ug/l	95
70) Styrene	11.44	104	81544	6.86	ug/l #	88
73) Isopropylbenzene	11.78	105	25877	1.27	ug/l	97
78) n-propylbenzene	12.15	91	341758	12.95	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	31549	1.98	ug/l	95
84) 1,2,4-Trimethylbenzene	12.63	105	213562	12.33	ug/l	96
89) n-Butylbenzene	13.20	91	264568	14.46	ug/l	95
95) Naphthalene	14.52	128	95125m	8.34	ug/l	

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

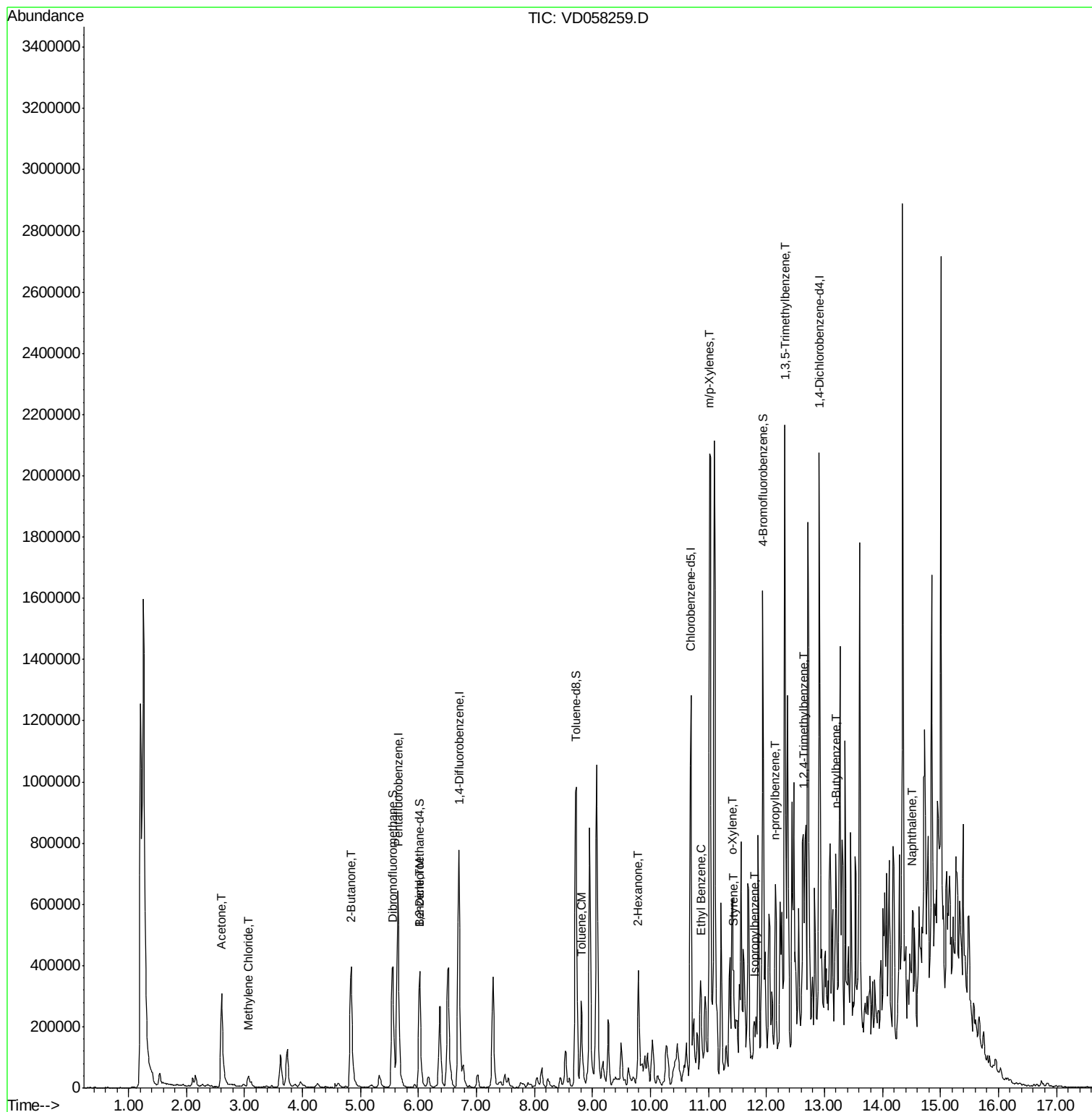
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062118\
Data File : VD058259.D
Acq On : 21 Jun 2018 18:25
Operator : VA/AP
Sample : J3617-01
Misc : 5.84g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

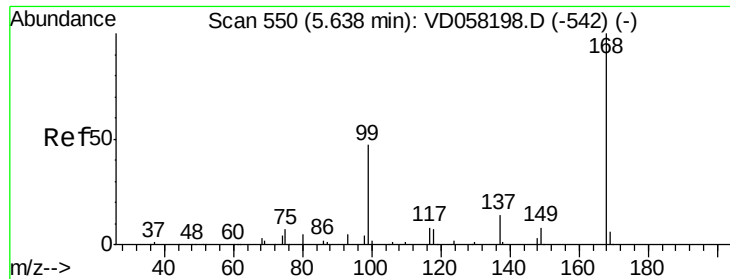
Instrument :
MSVOA_D
ClientSampleId :
F3-58-SRI3

Manual Integrations
APPROVED

apatel
6/22/2018 10:11:30 AM

Quant Time: Jun 22 07:07:36 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD058259.D

Acq: 21 Jun 2018 18:25

Instrument :

MSVOA_D

ClientSampled :

F3-58-SRI3

Tot Ion:168 Resp: 632775

Ion Ratio Lower Upper

168 100

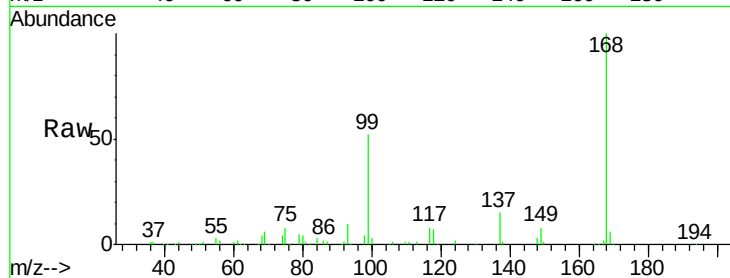
99 51.8 41.1 61.7

Manual Integrations

APPROVED

apatel

6/22/2018 10:11:30 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.65

250000

200000

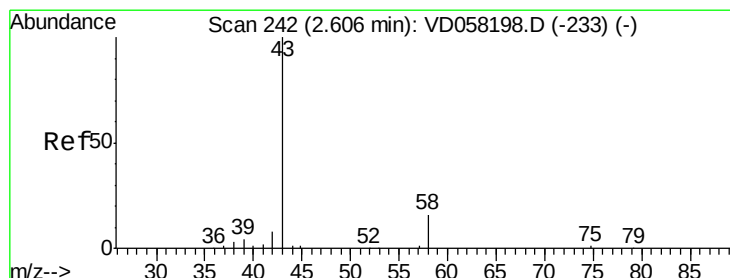
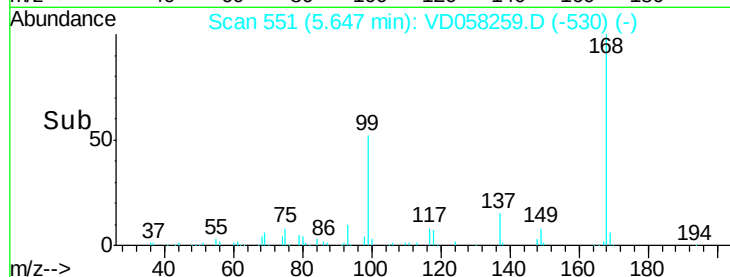
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 671.07 ug/l

RT: 2.60 min Scan# 242

Delta R.T. -0.00 min

Lab File: VD058259.D

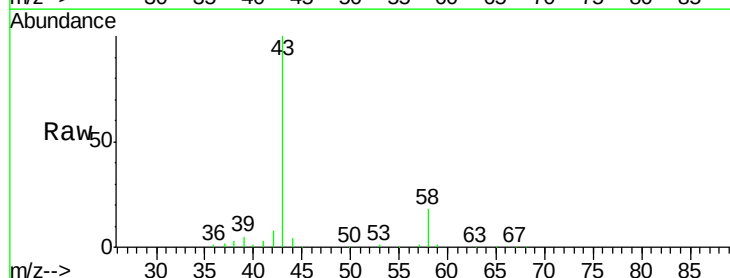
Acq: 21 Jun 2018 18:25

Tgt Ion: 43 Resp: 586570

Ion Ratio Lower Upper

43 100

58 18.2 12.7 19.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

2.60

200000

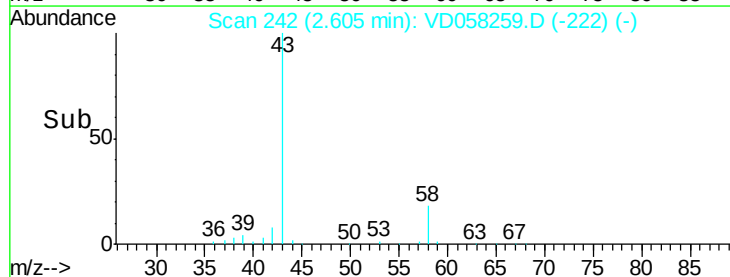
150000

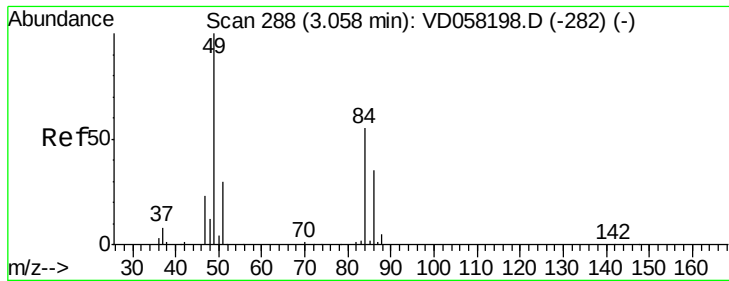
100000

50000

0

Time-->





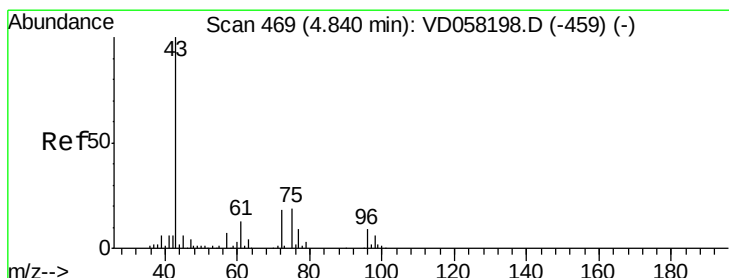
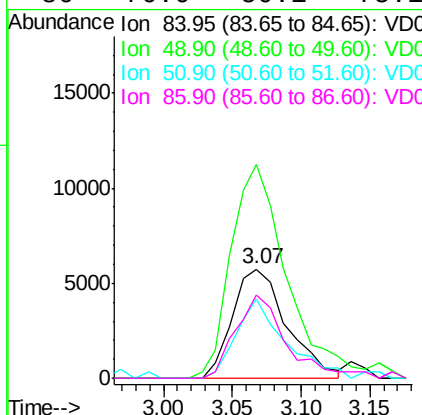
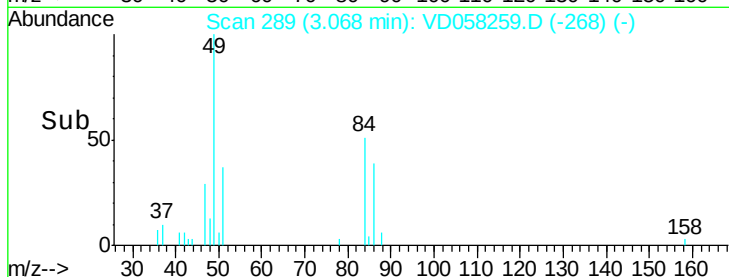
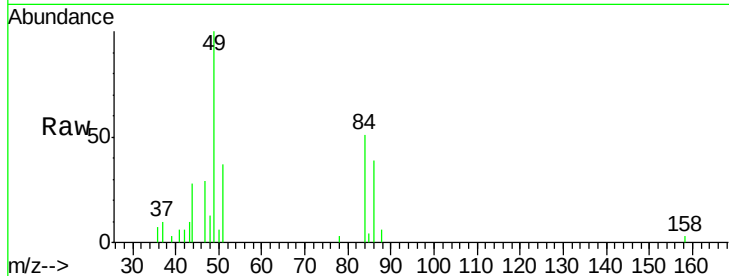
#20
Methylene Chloride
Concen: 2.39 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.01 min
Lab File: VD058259.D
Acq: 21 Jun 2018 18:25

Instrument :
MSVOA_D
ClientSampleId :
F3-58-SRI3

Tot Ion	Ratio	Lower	Upper
84	100		
49	195.4	145.0	217.6
51	72.9	42.9	64.3#
86	76.0	50.1	75.1#

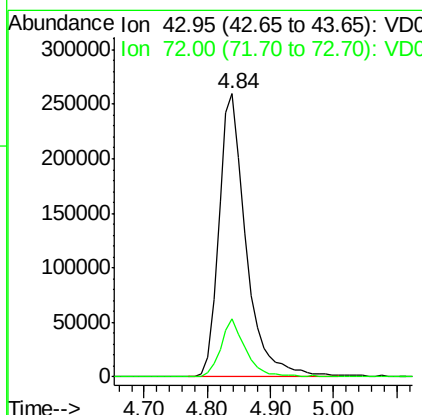
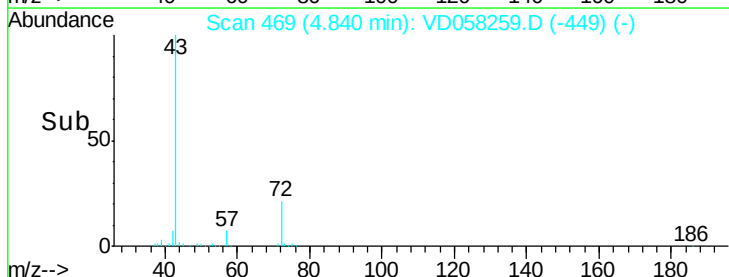
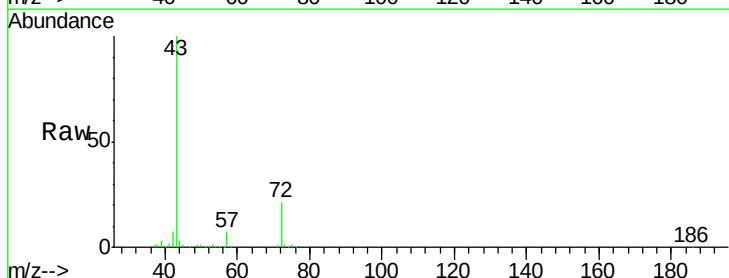
Manual Integrations
APPROVED

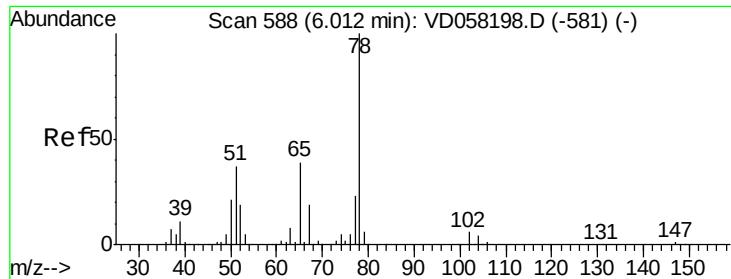
apatel
6/22/2018 10:11:30 AM



#25
2-Butanone
Concen: 408.68 ug/l
RT: 4.84 min Scan# 469
Delta R.T. -0.00 min
Lab File: VD058259.D
Acq: 21 Jun 2018 18:25

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.6	14.1	21.1





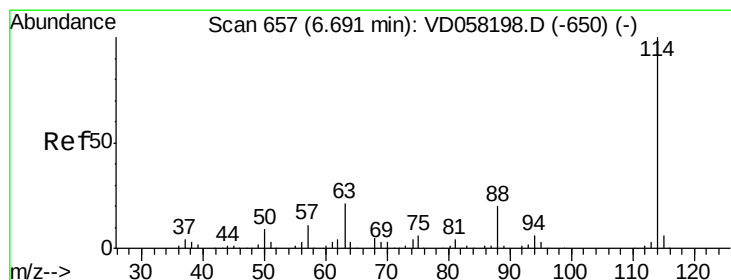
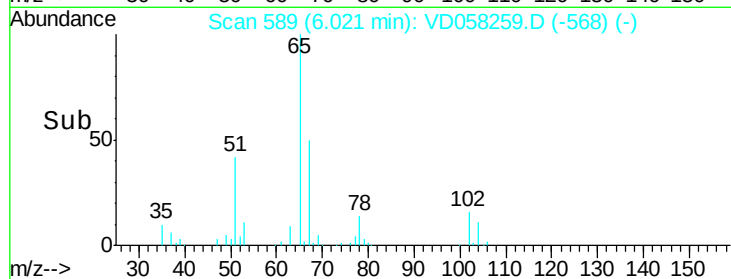
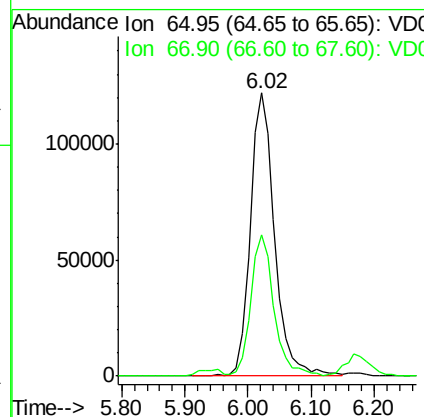
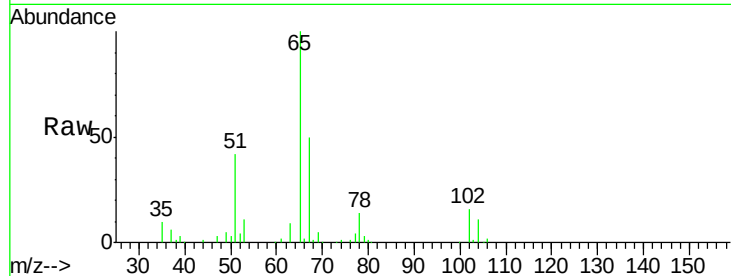
#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. 0.01 min
 Lab File: VD058259.D
 Acq: 21 Jun 2018 18:25

Instrument :
 MSVOA_D
 ClientSampleId :
 F3-58-SRI3

Tot Ion	Ratio	Resp	Lower	Upper
65	100	325126		
67	50.1	0.0	97.8	

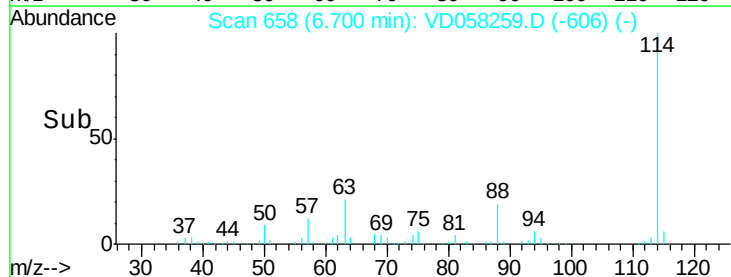
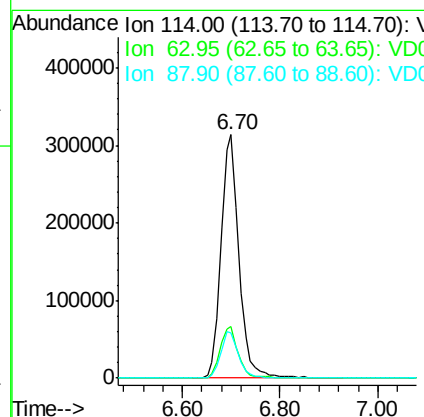
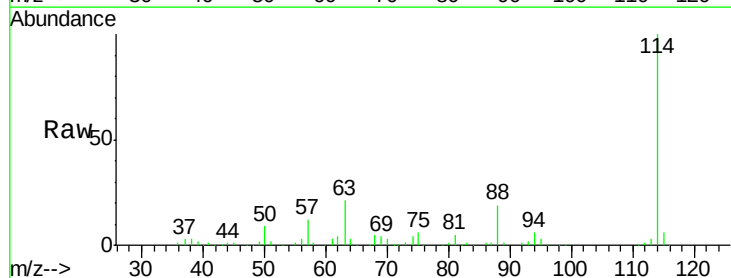
Manual Integrations
 APPROVED

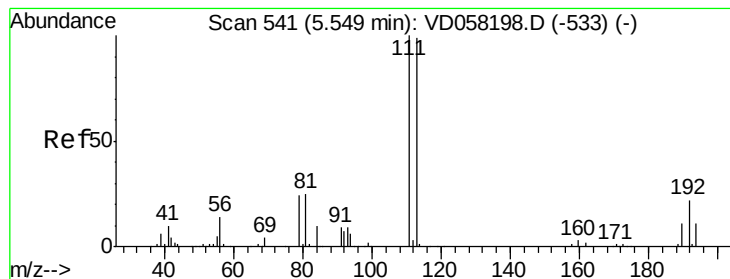
apatel
 6/22/2018 10:11:30 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VD058259.D
 Acq: 21 Jun 2018 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	800165		
63	21.0	0.0	42.6	
88	18.7	0.0	40.6	





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.01 min

Lab File: VD058259.D

Acq: 21 Jun 2018 18:25

Instrument :

MSVOA_D

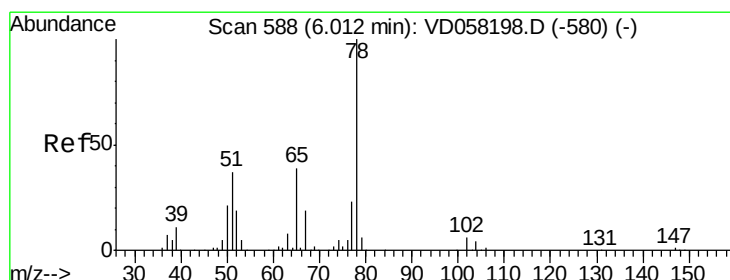
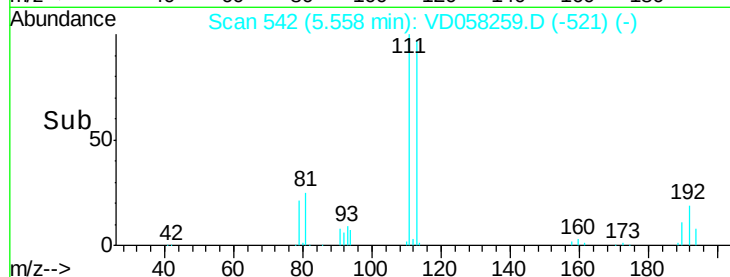
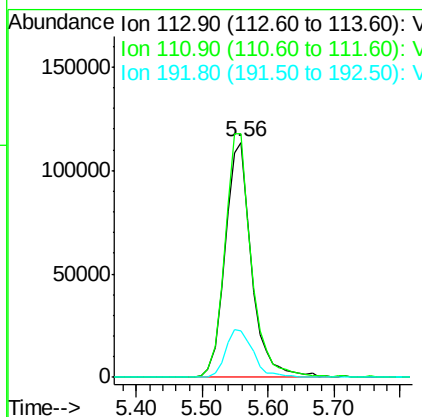
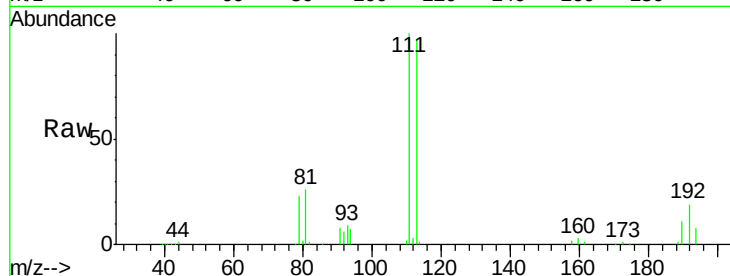
ClientSampleId :

F3-58-SRI3

Tot Ion:	113	Resp:	319626
Ion Ratio	Lower	Upper	
113	100		
111	103.6	80.6	121.0
192	20.0	17.8	26.6

Manual Integrations
APPROVED

apatel
6/22/2018 10:11:30 AM



#40

Benzene

Concen: 2.74 ug/l

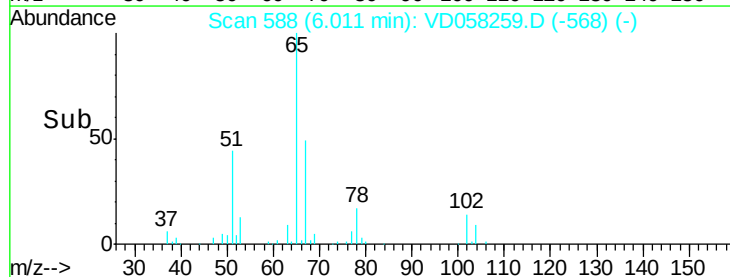
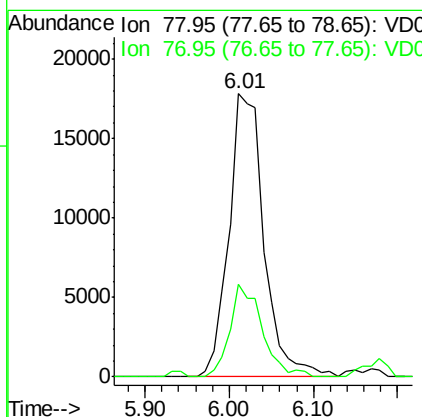
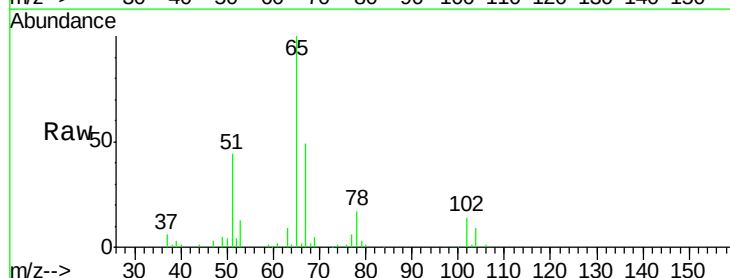
RT: 6.01 min Scan# 588

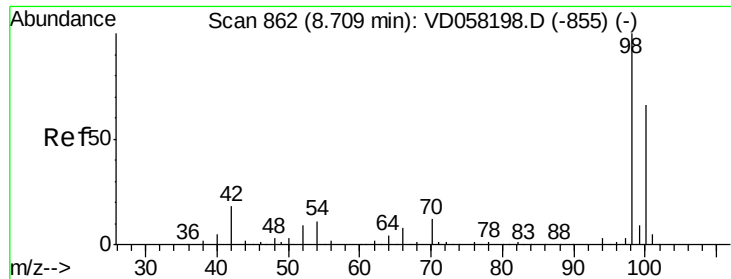
Delta R.T. -0.00 min

Lab File: VD058259.D

Acq: 21 Jun 2018 18:25

Tgt Ion:	78	Resp:	51625
Ion Ratio	Lower	Upper	
78	100		
77	32.5	18.5	27.7#





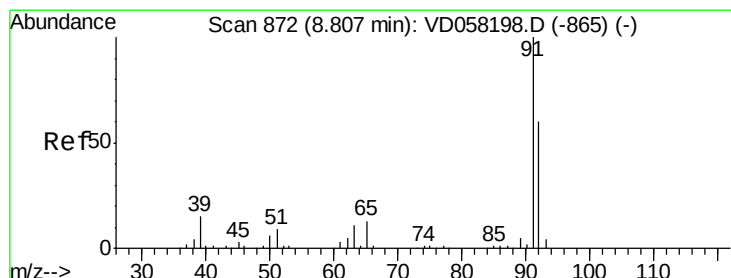
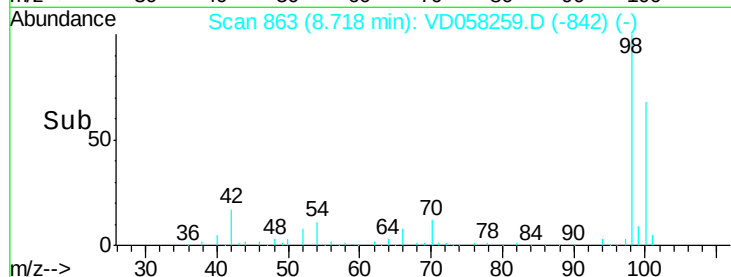
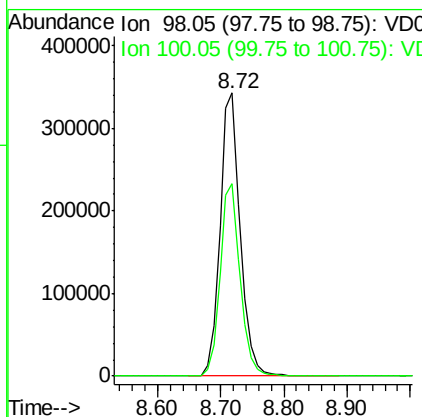
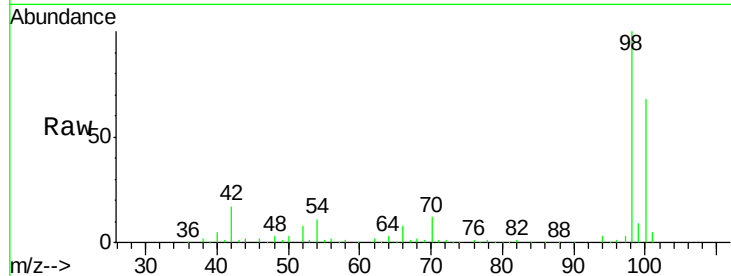
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.72 min Scan# 863
Delta R.T. 0.01 min
Lab File: VD058259.D
Acq: 21 Jun 2018 18:25

Instrument :
MSVOA_D
ClientSampleId :
F3-58-SRI3

Tot Ion: 98 Resp: 764827
Ion Ratio Lower Upper
98 100
100 68.0 53.6 80.4

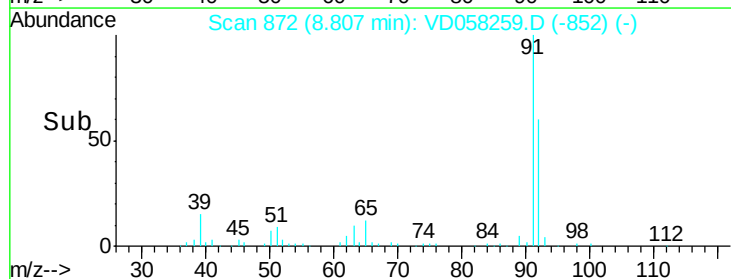
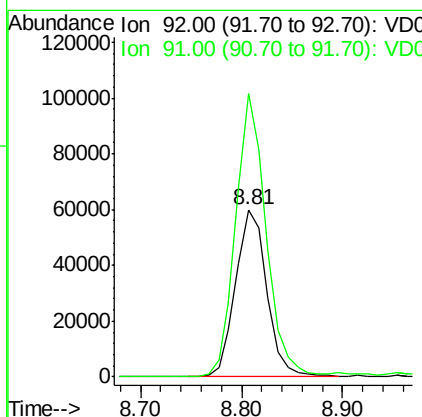
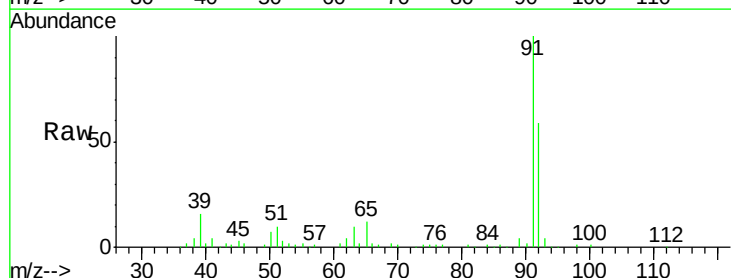
Manual Integrations
APPROVED

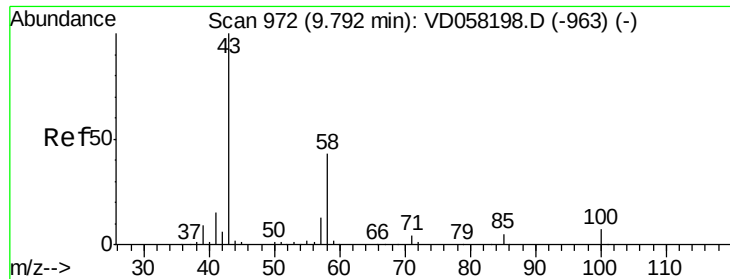
apatel
6/22/2018 10:11:30 AM



#52
Toluene
Concen: 12.03 ug/l
RT: 8.81 min Scan# 872
Delta R.T. -0.00 min
Lab File: VD058259.D
Acq: 21 Jun 2018 18:25

Tgt Ion: 92 Resp: 129159
Ion Ratio Lower Upper
92 100
91 169.1 133.2 199.8





#59

2-Hexanone

Concen: 116.37 ug/l

RT: 9.79 min Scan# 972

Delta R.T. -0.00 min

Lab File: VD058259.D

Acq: 21 Jun 2018 18:25

Instrument :

MSVOA_D

ClientSampleId :

F3-58-SRI3

Tot Ion: 43 Resp: 329803

Ion Ratio Lower Upper

43 100

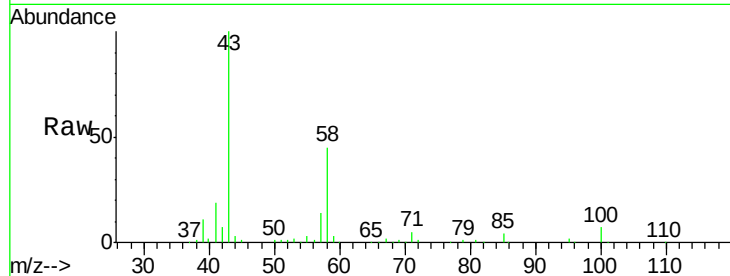
58 45.5 21.7 65.1

Manual Integrations

APPROVED

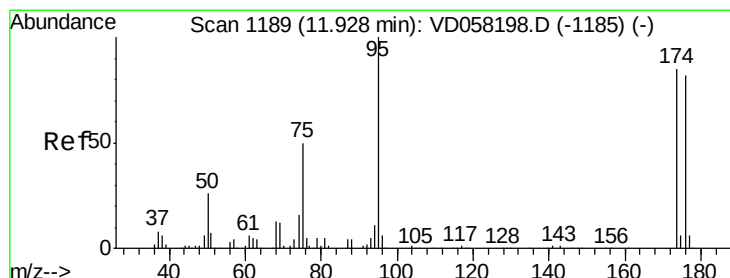
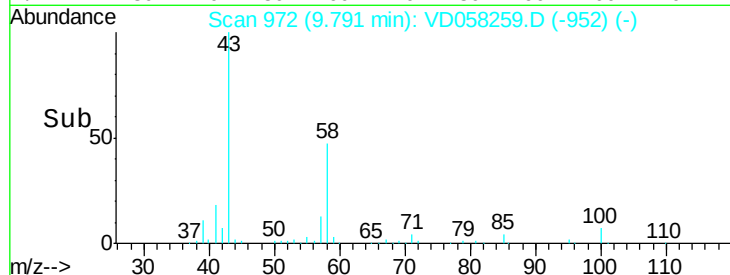
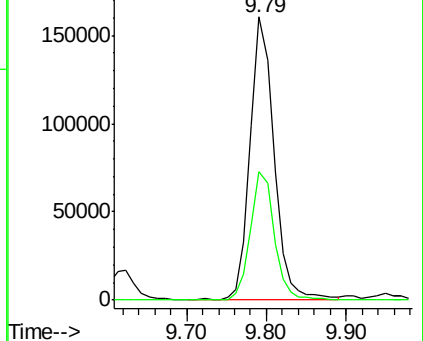
apatel

6/22/2018 10:11:30 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058259.D

Acq: 21 Jun 2018 18:25

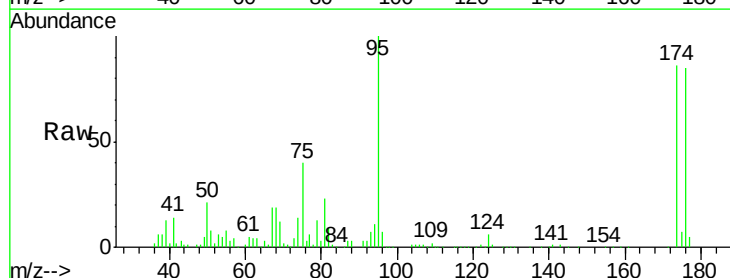
Tgt Ion: 95 Resp: 399885

Ion Ratio Lower Upper

95 100

174 85.9 0.0 170.2

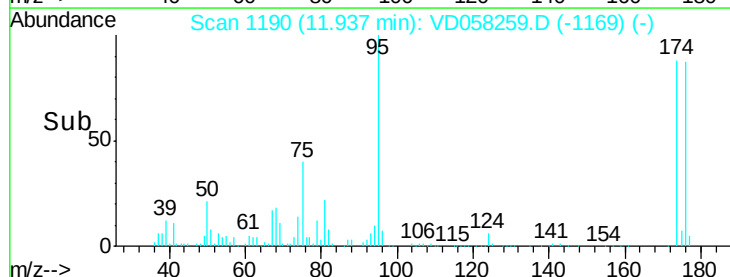
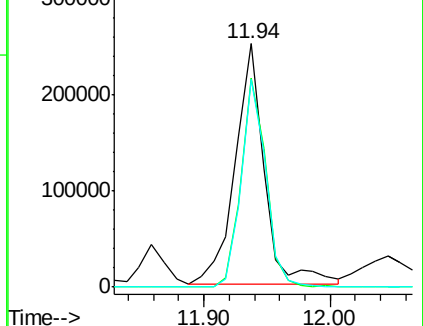
176 85.4 0.0 164.6

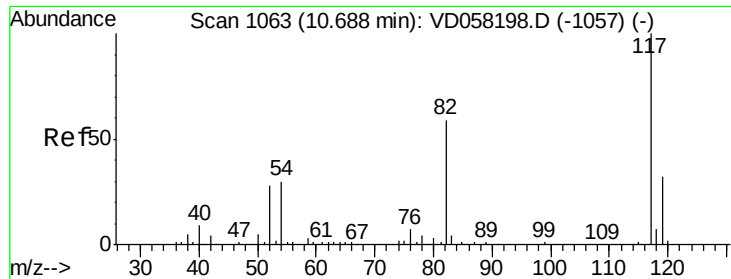


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





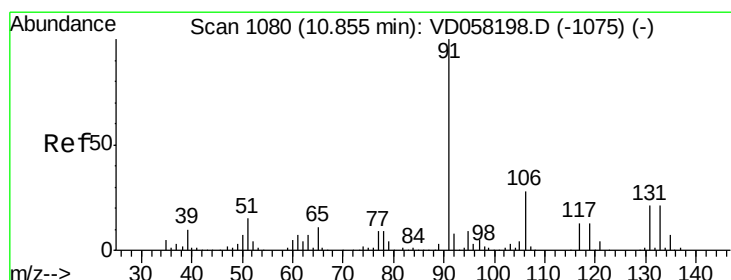
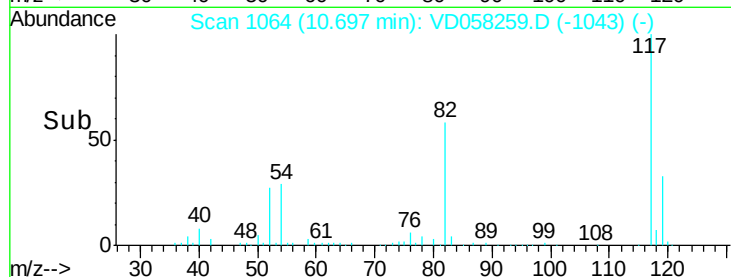
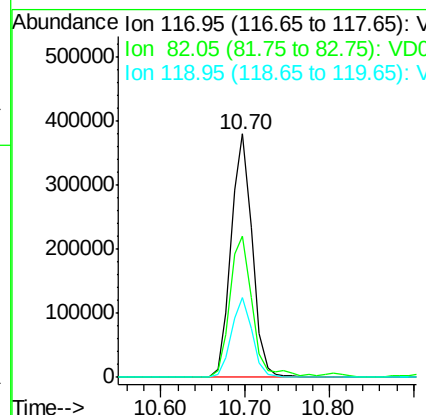
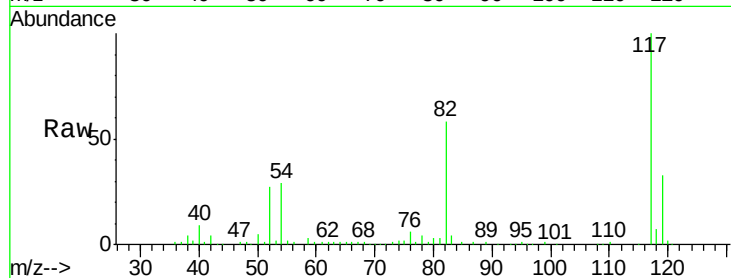
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058259.D
Acq: 21 Jun 2018 18:25

Instrument :
MSVOA_D
ClientSampleId :
F3-58-SRI3

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.0	47.0	70.6
119	33.0	25.3	37.9

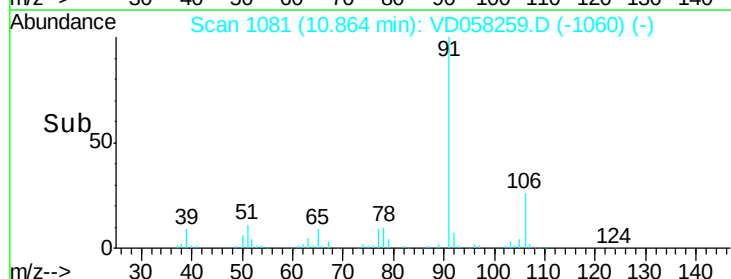
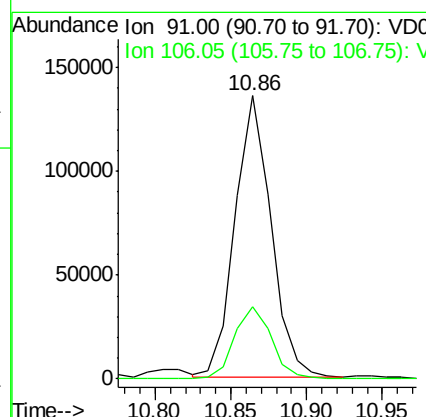
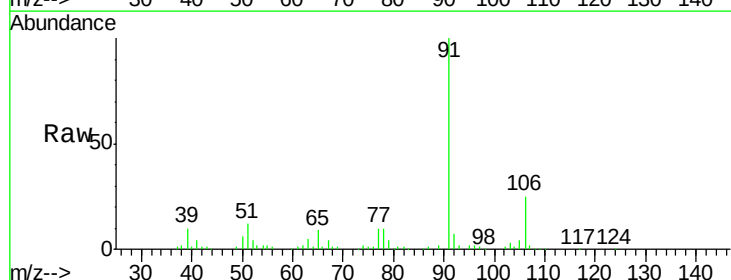
Manual Integrations
APPROVED

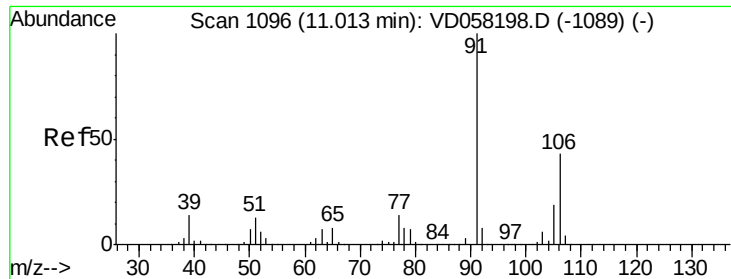
apatel
6/22/2018 10:11:30 AM



#67
Ethyl Benzene
Concen: 10.24 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD058259.D
Acq: 21 Jun 2018 18:25

Tgt Ion	Ratio	Lower	Upper
91	100		
106	25.4	22.0	33.0





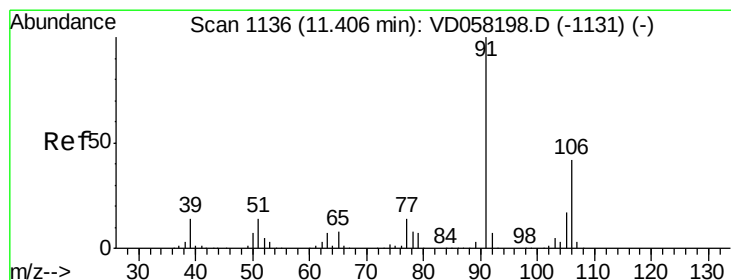
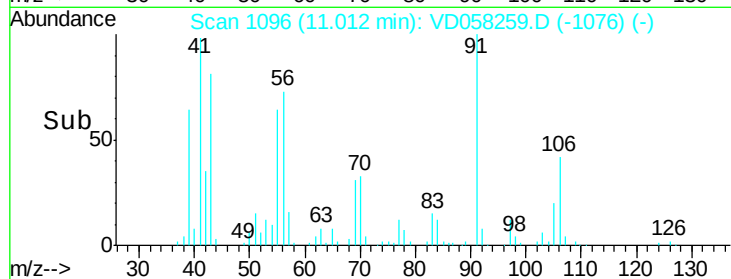
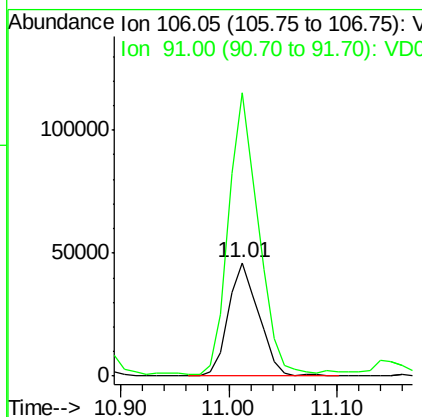
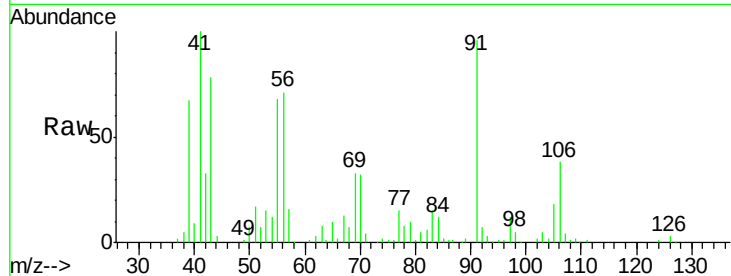
#68
m/p-Xylenes
Concen: 12.30 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD058259.D
Acq: 21 Jun 2018 18:25

Instrument :
MSVOA_D
ClientSampled :
F3-58-SRI3

Tot Ion:106 Resp: 89704
Ion Ratio Lower Upper
106 100
91 250.2 185.0 277.6

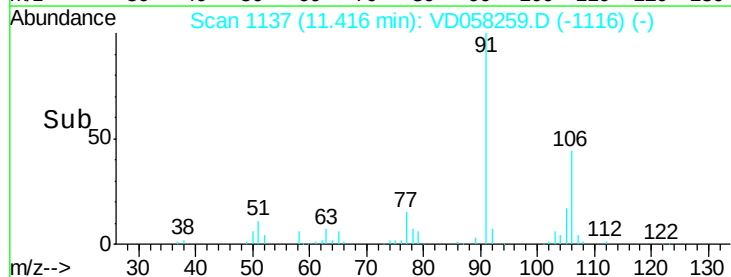
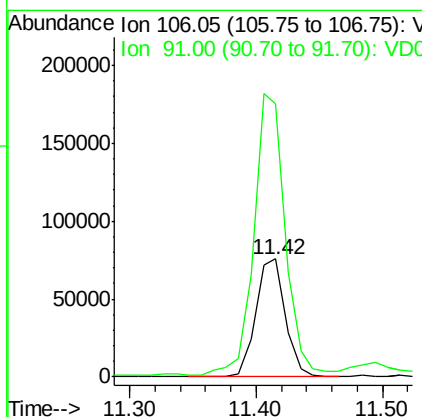
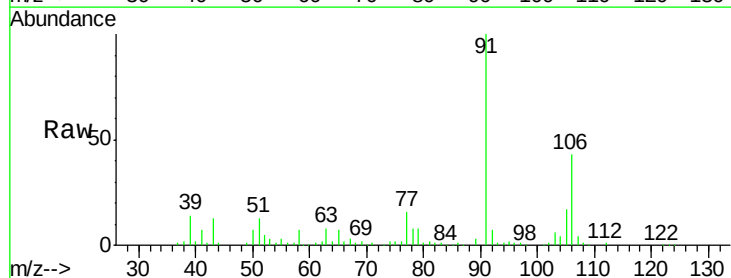
Manual Integrations
APPROVED

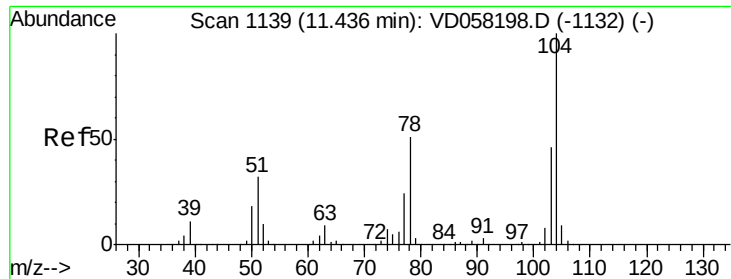
apatel
6/22/2018 10:11:30 AM



#69
o-Xylene
Concen: 17.80 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD058259.D
Acq: 21 Jun 2018 18:25

Tgt Ion:106 Resp: 124006
Ion Ratio Lower Upper
106 100
91 231.6 120.2 360.6





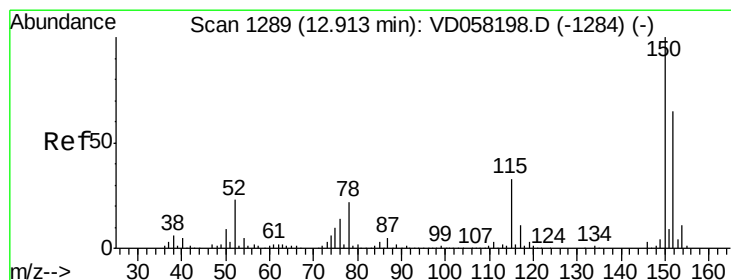
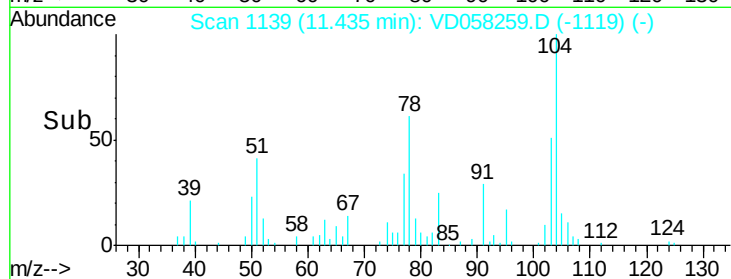
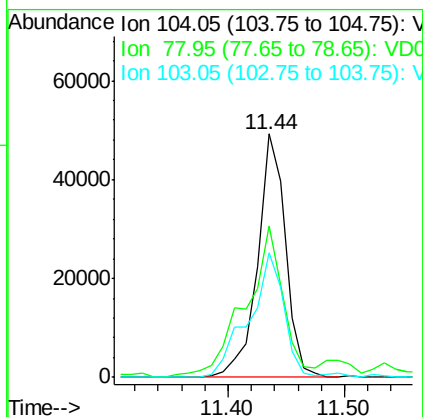
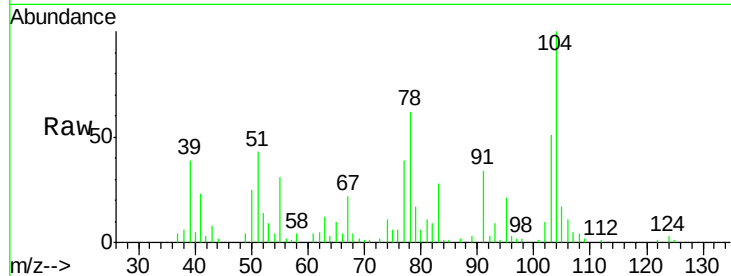
#70
Stvrene
Concen: 6.86 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VD058259.D
Acq: 21 Jun 2018 18:25

Instrument :
MSVOA_D
ClientSampleId :
F3-58-SRI3

Tot Ion	Ratio	Resp	Lower	Upper
104	100	81544		
78	62.4		40.8	61.2#
103	51.0		37.0	55.6

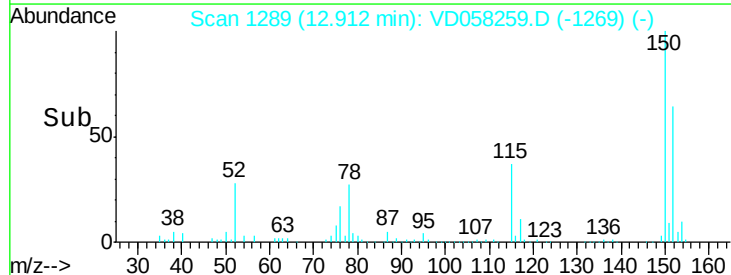
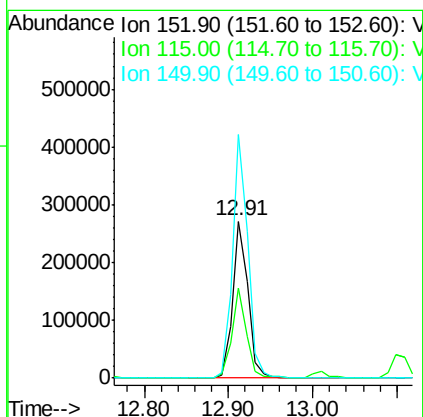
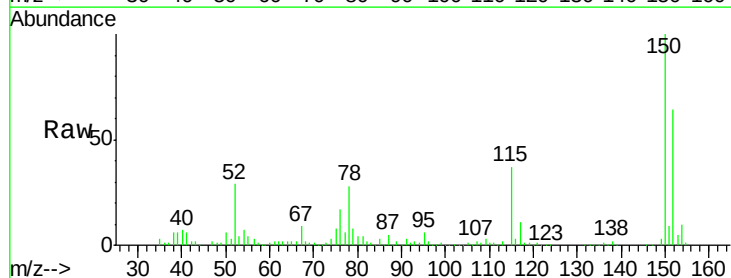
Manual Integrations
APPROVED

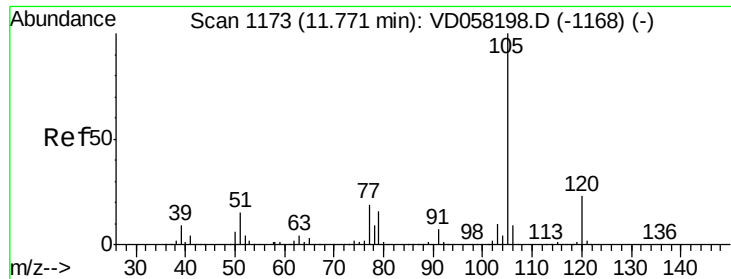
apatel
6/22/2018 10:11:30 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD058259.D
Acq: 21 Jun 2018 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	341594		
115	57.7		25.1	75.3
150	155.2		0.0	308.8





#73

Isopropylbenzene

Concen: 1.27 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD058259.D

Acq: 21 Jun 2018 18:25

Instrument :

MSVOA_D

ClientSampled :

F3-58-SRI3

Tot Ion:105 Resp: 25877

Ion Ratio Lower Upper

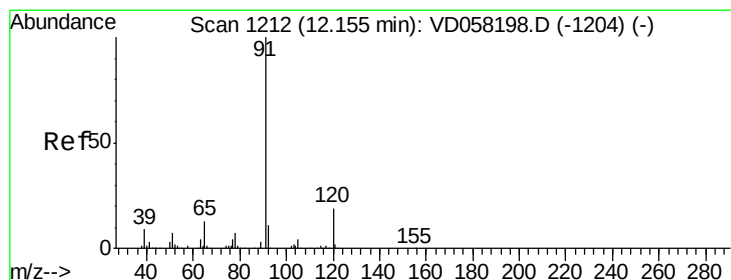
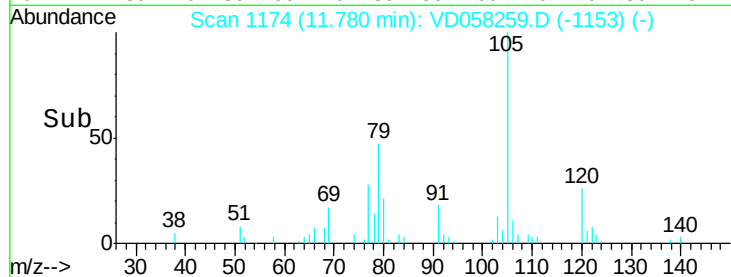
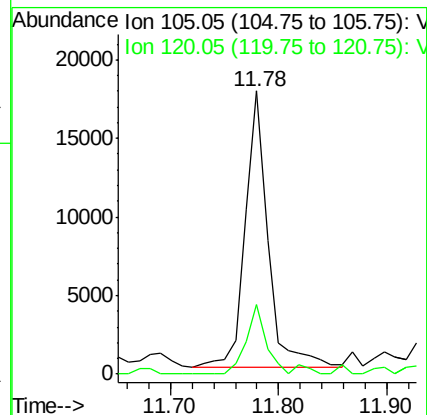
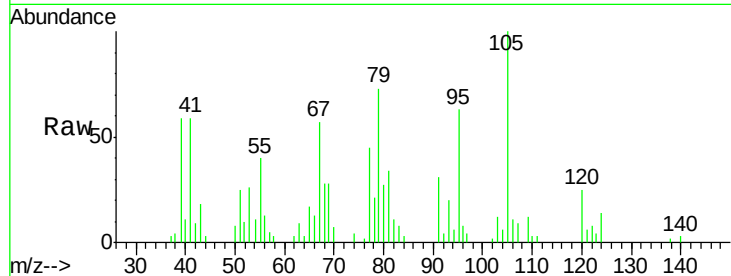
105 100

120 24.8 11.6 34.8

Manual Integrations
APPROVED

apatel

6/22/2018 10:11:30 AM



#78

n-propylbenzene

Concen: 12.95 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD058259.D

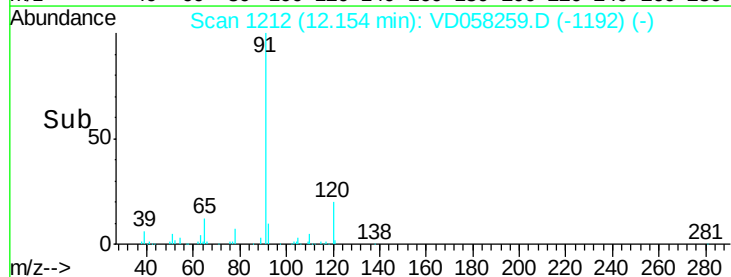
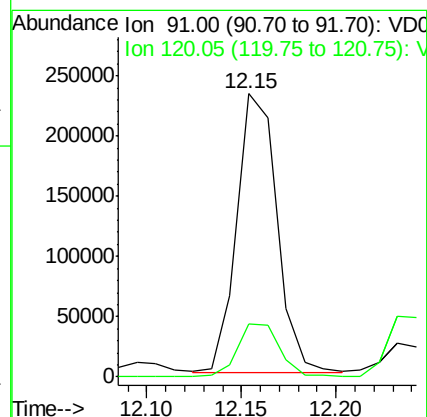
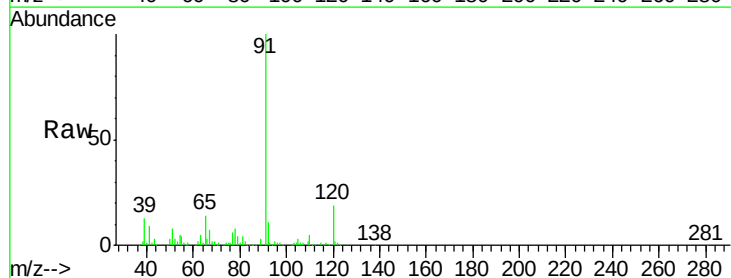
Acq: 21 Jun 2018 18:25

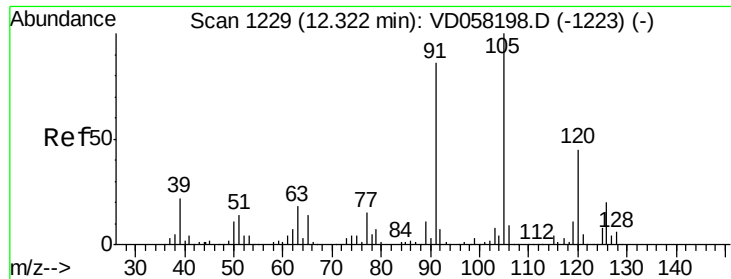
Tgt Ion: 91 Resp: 341758

Ion Ratio Lower Upper

91 100

120 18.8 9.7 29.1





#80

1,3,5-Trimethylbenzene

Concen: 1.98 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VD058259.D

Acq: 21 Jun 2018 18:25

Instrument :

MSVOA_D

ClientSampled :

F3-58-SRI3

Tot Ion:105 Resp: 31549

Ion Ratio Lower Upper

105 100

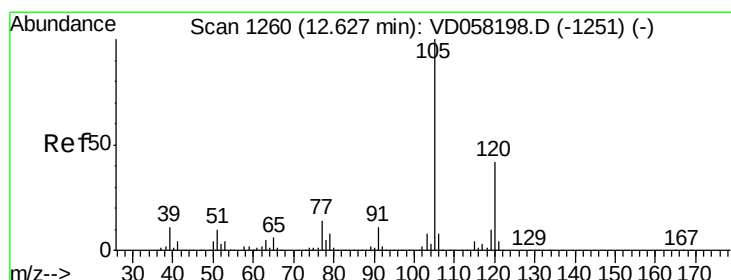
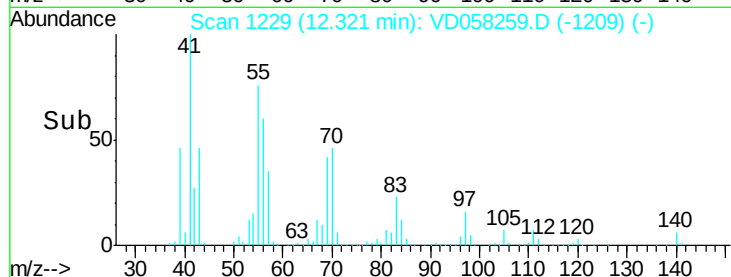
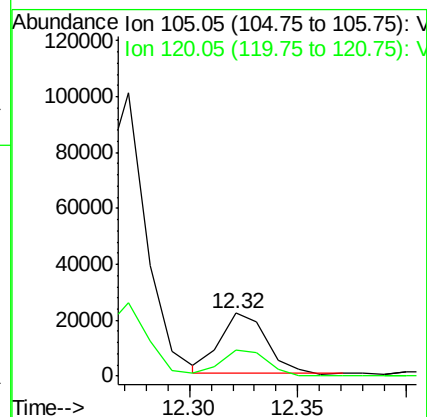
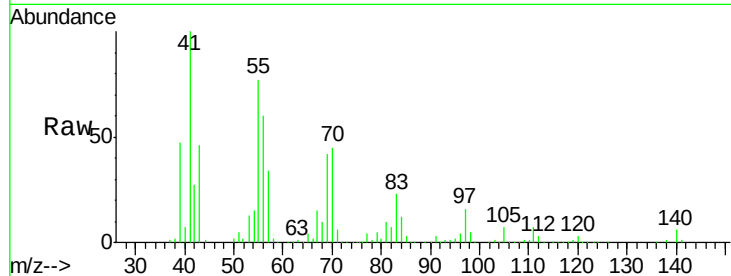
120 41.5 22.5 67.5

Manual Integrations

APPROVED

apatel

6/22/2018 10:11:30 AM



#84

1,2,4-Trimethylbenzene

Concen: 12.33 ug/l

RT: 12.63 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VD058259.D

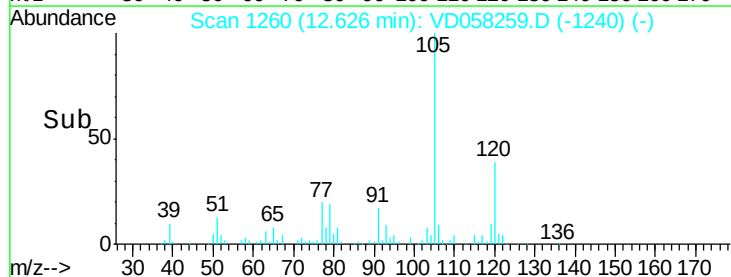
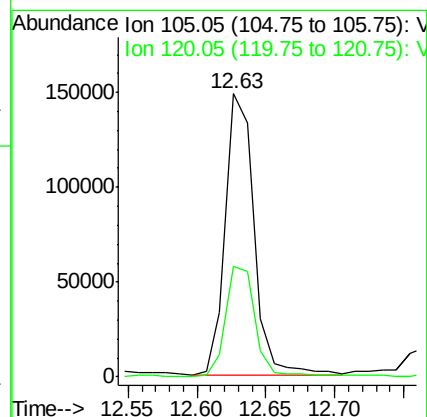
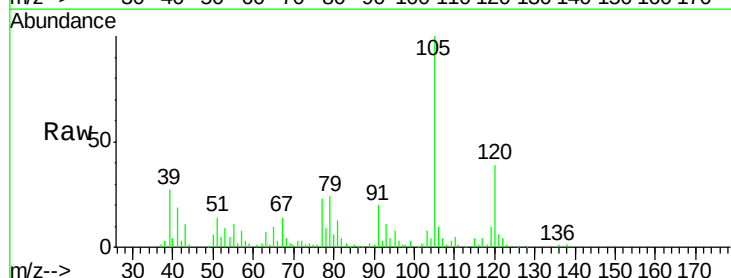
Acq: 21 Jun 2018 18:25

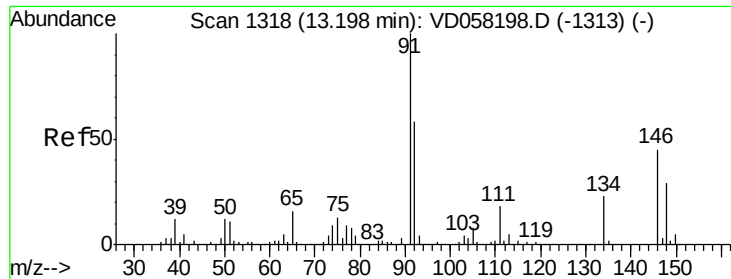
Tgt Ion:105 Resp: 213562

Ion Ratio Lower Upper

105 100

120 39.1 20.8 62.4





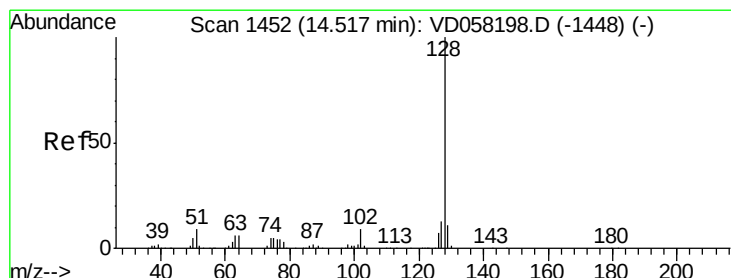
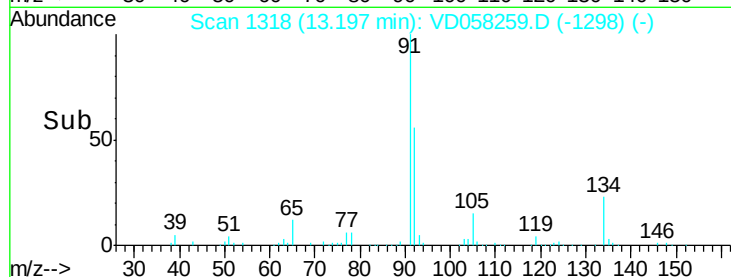
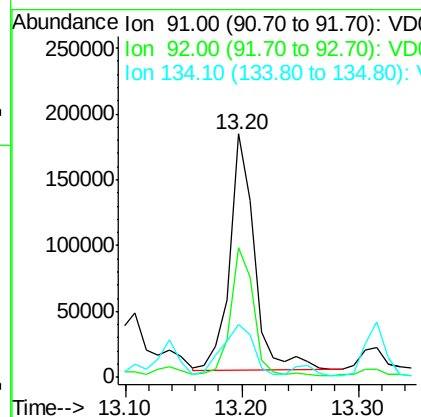
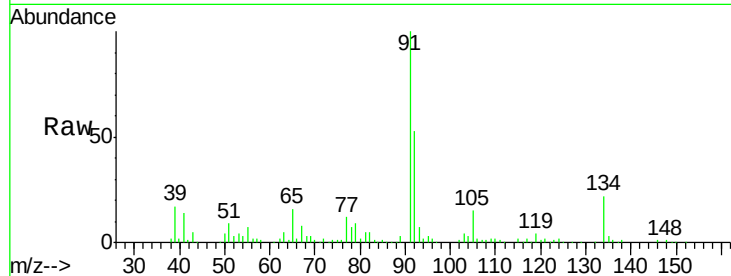
#89
n-Butylbenzene
Concen: 14.46 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD058259.D
Acq: 21 Jun 2018 18:25

Instrument :
MSVOA_D
ClientSampleID :
F3-58-SRI3

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	29.2	87.6
134	21.6	11.3	33.8

Manual Integrations
APPROVED

apatel
6/22/2018 10:11:30 AM



#95
Naphthalene
Concen: 8.34 ug/l m
RT: 14.52 min Scan# 1452
Delta R.T. -0.00 min
Lab File: VD058259.D
Acq: 21 Jun 2018 18:25

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.0	15.0
129	13.4	8.7	13.1#

