

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090719\
 Data File : VU034357.D
 Acq On : 07 Sep 2019 02:13
 Operator : JC/SP
 Sample : K4725-11
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0269

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 1:31:02 PM

Quant Time: Sep 07 05:40:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	294823	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	432150	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	428621	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	271491	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	218979	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
35) Dibromofluoromethane	4.86	113	201050	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
50) Toluene-d8	7.54	98	810694	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	
62) 4-Bromofluorobenzene	10.29	95	290637	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
Target Compounds						
					Qvalue	
17) Carbon Disulfide	2.47	76	6190	0.859	ug/l	97
31) Cyclohexane	4.97	56	1443779	276.324	ug/l	98
39) Methylcyclohexane	6.40	83	1548204	309.017	ug/l	98
40) Benzene	5.37	78	198494	13.125	ug/l	100
52) Toluene	7.62	92	8700	0.917	ug/l	94
73) Isopropylbenzene	10.14	105	443979	25.129	ug/l	100
78) n-propylbenzene	10.57	91	427192	20.936	ug/l	99
83) tert-Butylbenzene	11.08	119	30663	2.074	ug/l	91
84) 1,2,4-Trimethylbenzene	11.13	105	6143	0.413	ug/l	93
85) sec-Butylbenzene	11.30	105	203204	11.644	ug/l	100
89) n-Butylbenzene	11.87	91	58232m	4.160	ug/l	
95) Naphthalene	13.72	128	420817	25.378	ug/l	97

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

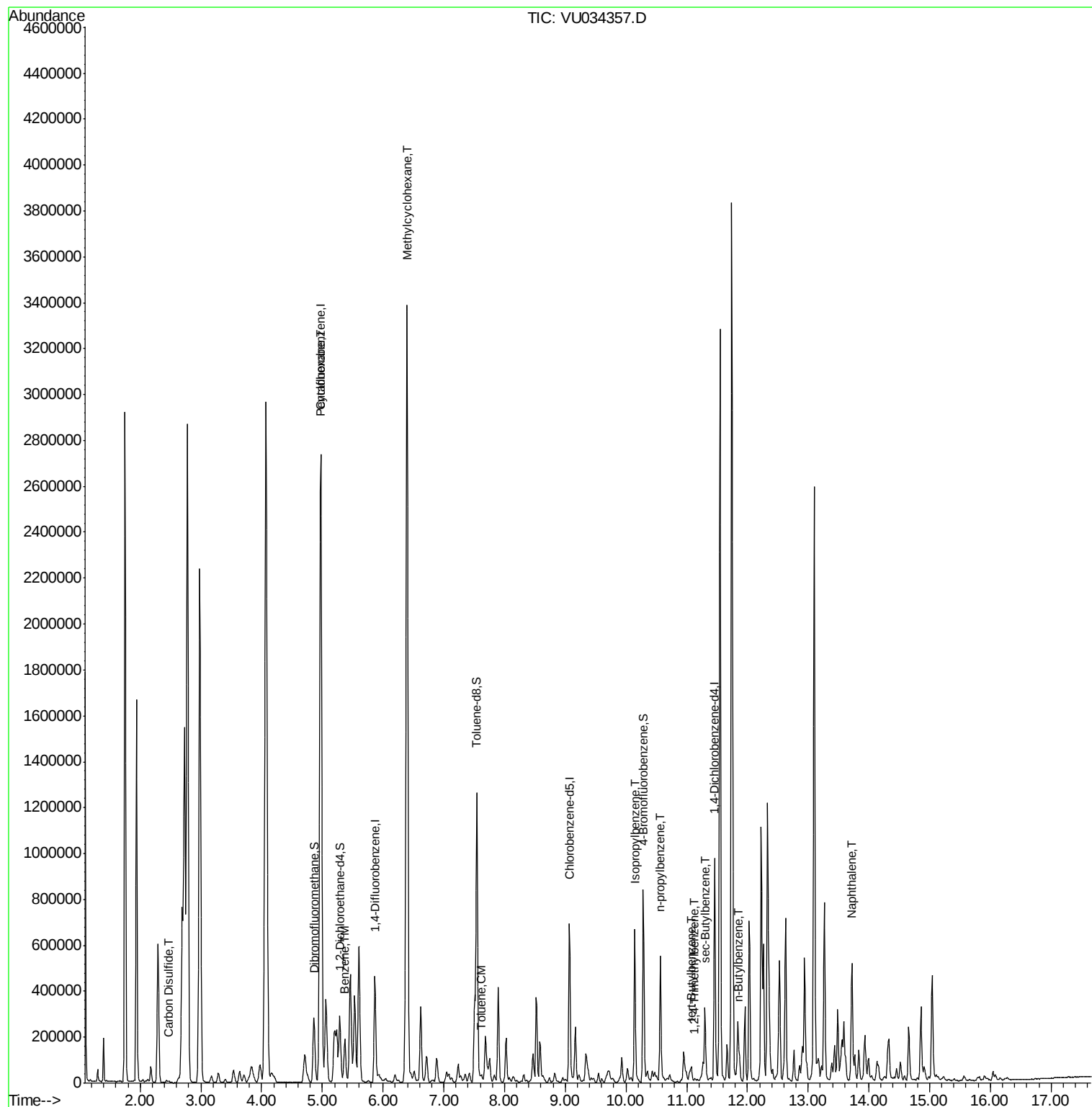
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU090719\
Data File : VU034357.D
Acq On : 07 Sep 2019 02:13
Operator : JC/SP
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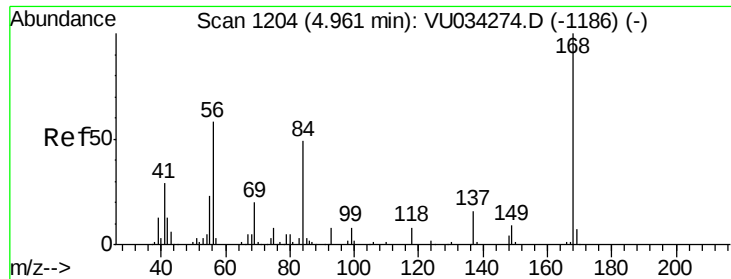
Instrument :
MSVOA_U
ClientSampleId :
S13-0269

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Quant Time: Sep 07 05:40:29 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034357.D

Acq: 07 Sep 2019 02:13

Instrument :

MSVOA_U

ClientSampled :

S13-0269

Tot Ion:168 Resp: 294823

Ion Ratio Lower Upper

168 100

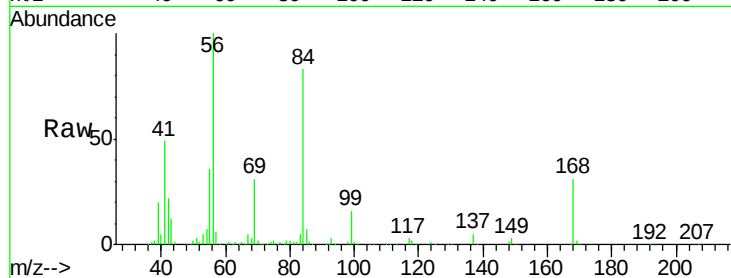
99 50.2 41.6 62.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU034274.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034274.D (-1186) (-)

4.96

150000

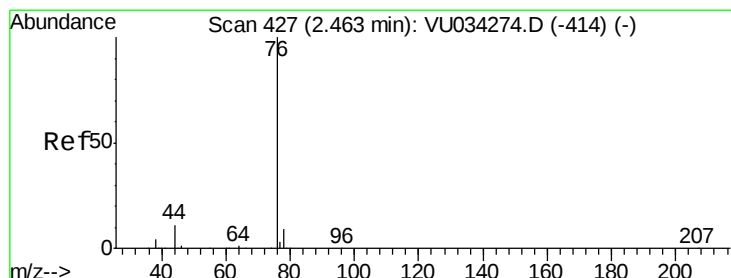
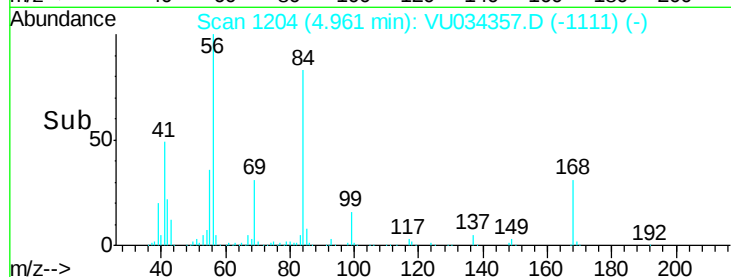
100000

50000

0

4.90 5.00 5.10

Time-->



#17

Carbon Disulfide

Concen: 0.859 ug/l

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU034357.D

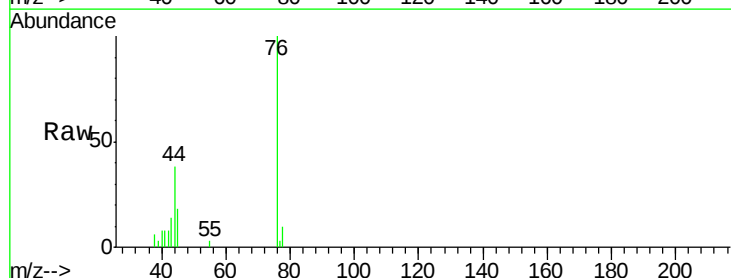
Acq: 07 Sep 2019 02:13

Tgt Ion: 76 Resp: 6190

Ion Ratio Lower Upper

76 100

78 10.0 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VU034274.D (-414) (-)

Ion 77.90 (77.60 to 78.60): VU034274.D (-414) (-)

2.47

4000

3000

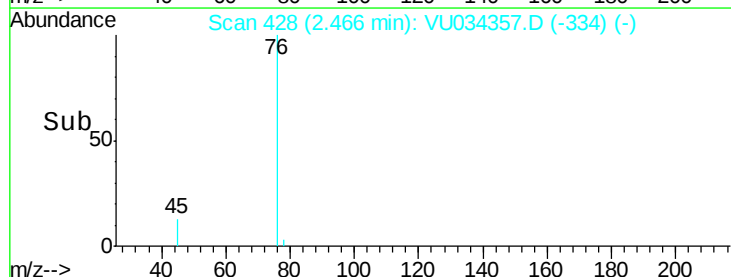
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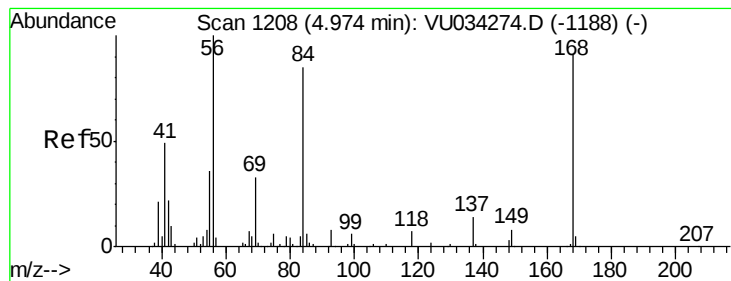
1000

0

2.40 2.45 2.50

Time-->





#31

Cyclohexane

Concen: 276.324 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VU034357.D

Acq: 07 Sep 2019 02:13

Instrument :

MSVOA_U

ClientSampleId :

S13-0269

Tot Ion: 56 Resp: 1443779

Ion Ratio Lower Upper

56 100

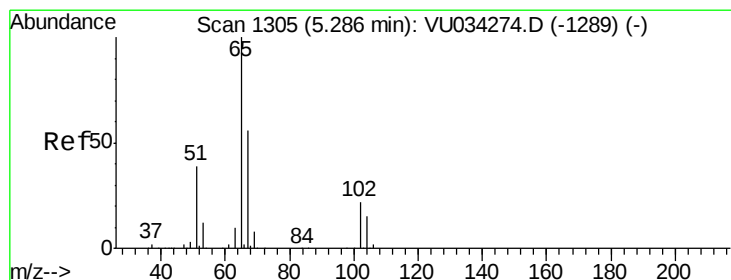
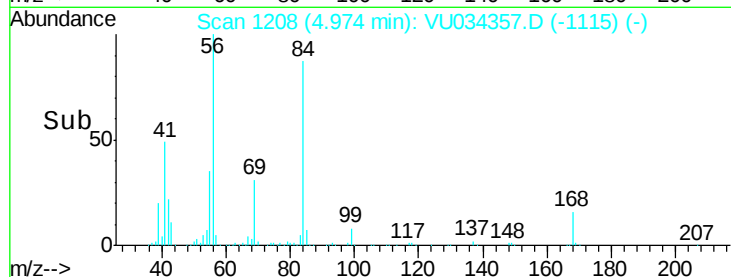
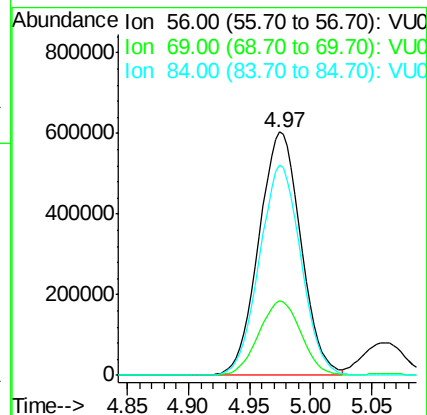
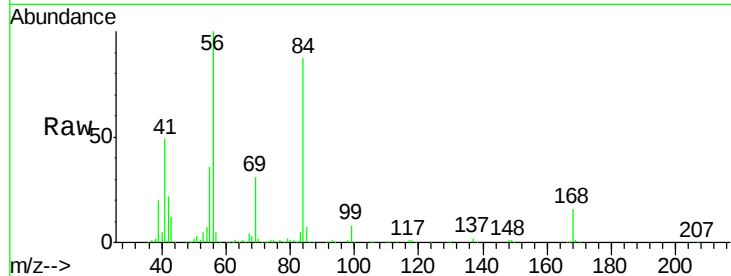
69 30.5 26.7 40.1

84 86.6 68.2 102.4

Manual Integrations
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#33

1,2-Dichloroethane-d4

Concen: 49.090 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034357.D

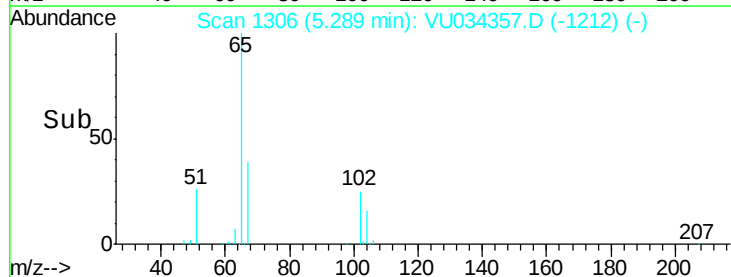
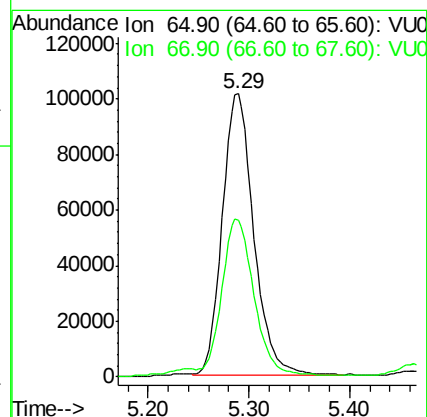
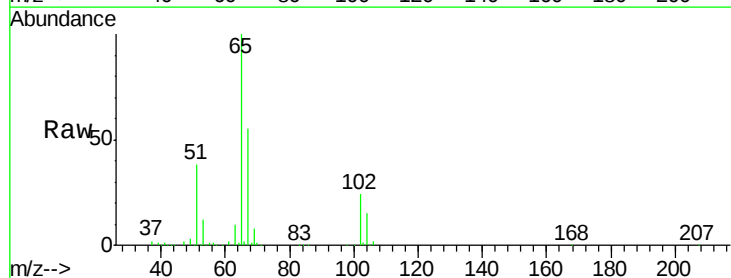
Acq: 07 Sep 2019 02:13

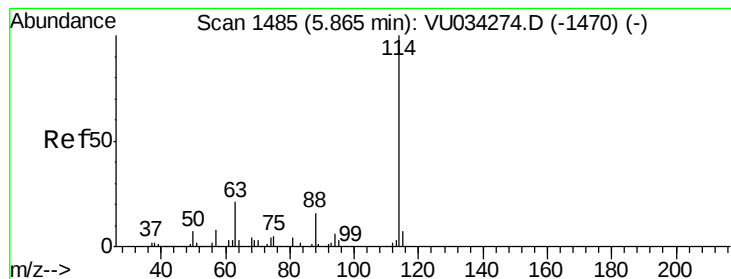
Tgt Ion: 65 Resp: 218979

Ion Ratio Lower Upper

65 100

67 57.5 0.0 112.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VU034357.D

Acq: 07 Sep 2019 02:13

Instrument :

MSVOA_U

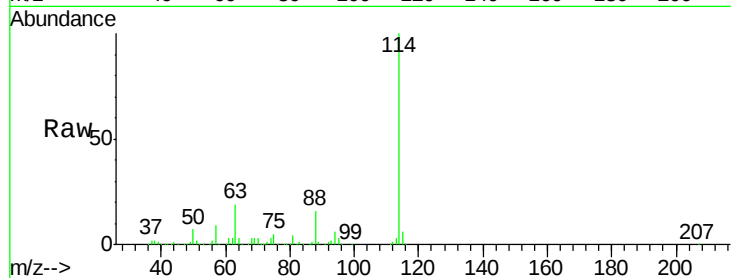
ClientSampled :

S13-0269

Tot Ion:	114	Resp:	432150
Ion Ratio	Lower	Upper	
114	100		
63	19.5	0.0	42.4
88	16.0	0.0	32.4

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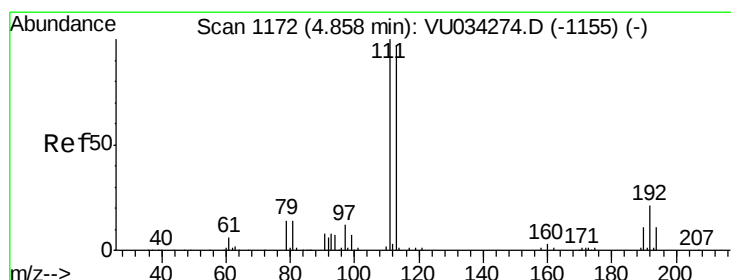
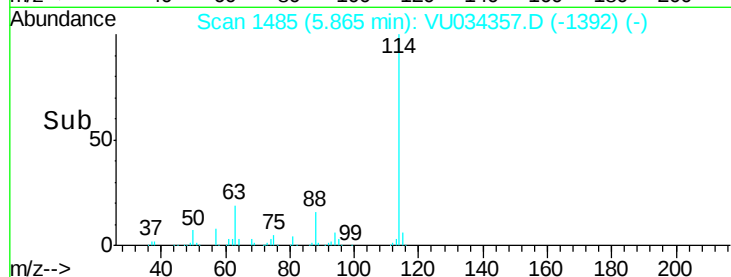
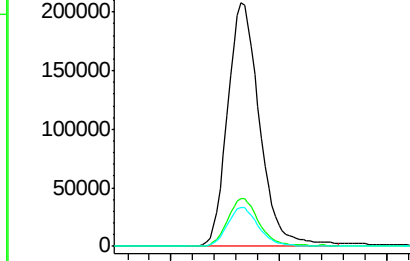
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Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 49.998 ug/l

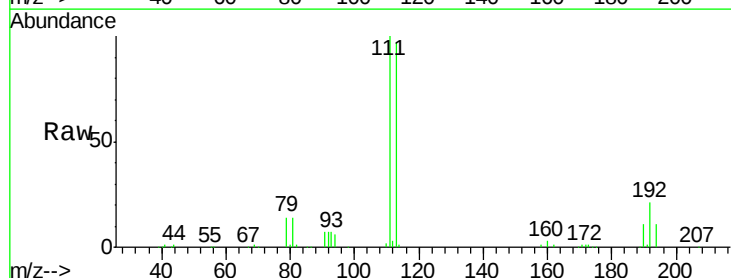
RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034357.D

Acq: 07 Sep 2019 02:13

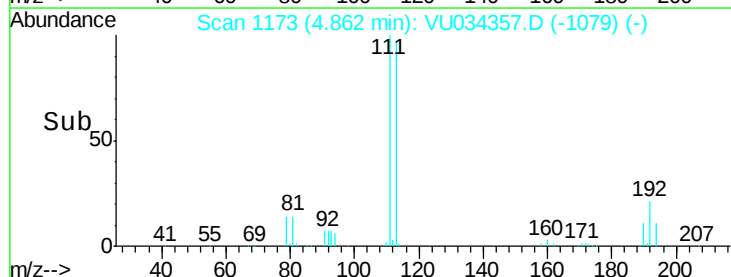
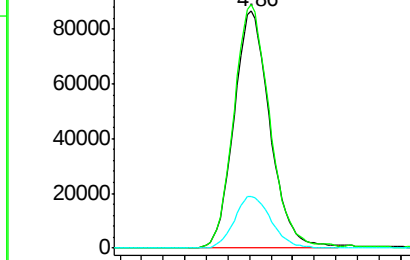
Tgt Ion:	113	Resp:	201050
Ion Ratio	Lower	Upper	
113	100		
111	102.4	81.5	122.3
192	22.4	17.8	26.8

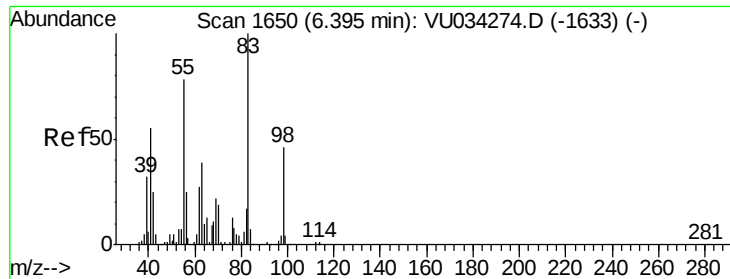


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





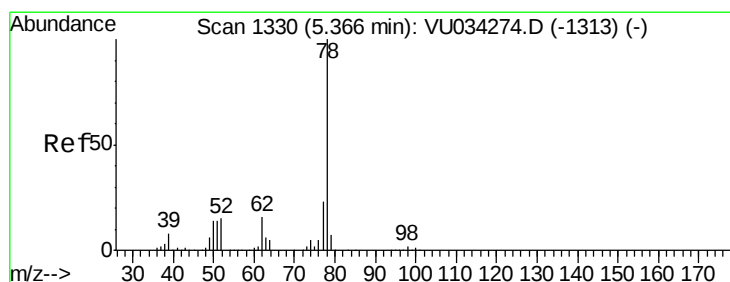
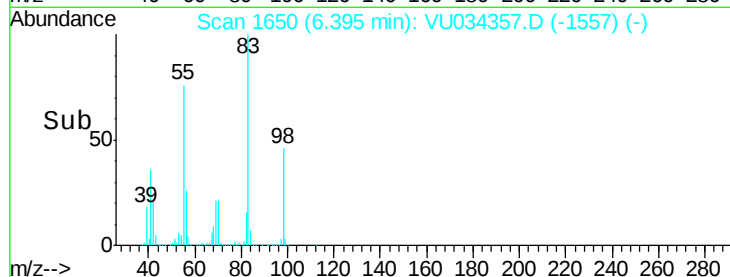
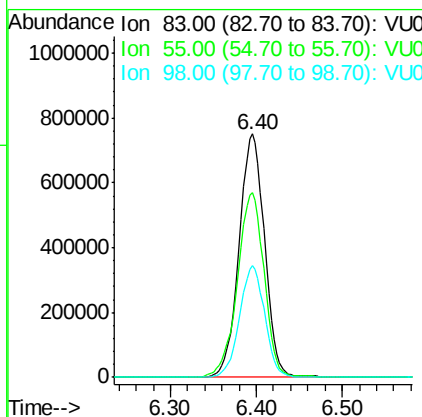
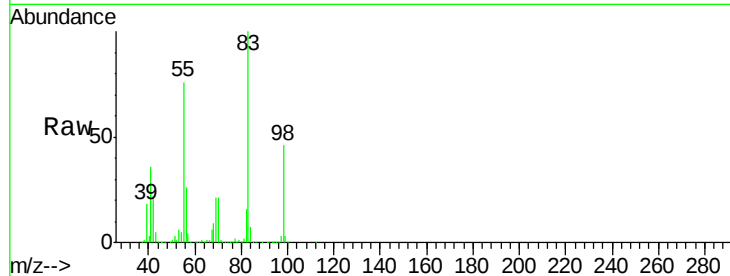
#39
Methvlcvclohexane
Concen: 309.017 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034357.D
Acq: 07 Sep 2019 02:13

Instrument :
MSVOA_U
ClientSampleId :
S13-0269

Tot Ion: 83 Resp: 1548204
Ion Ratio Lower Upper
83 100
55 75.8 62.1 93.1
98 45.7 37.0 55.6

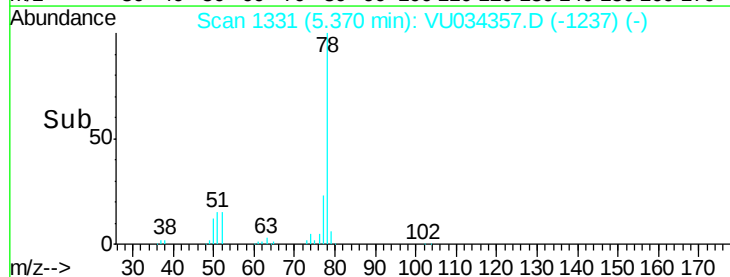
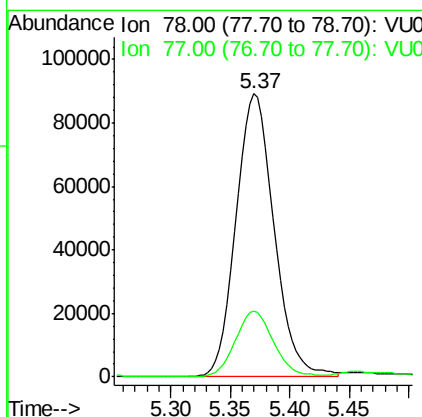
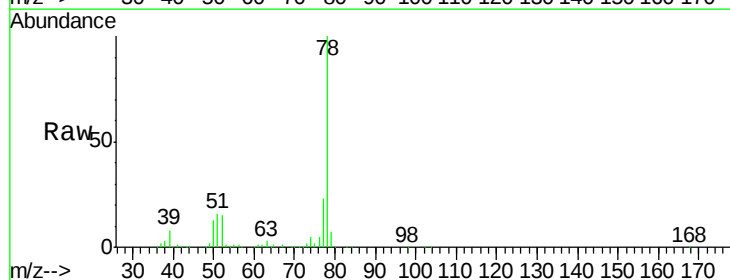
Manual Integrations
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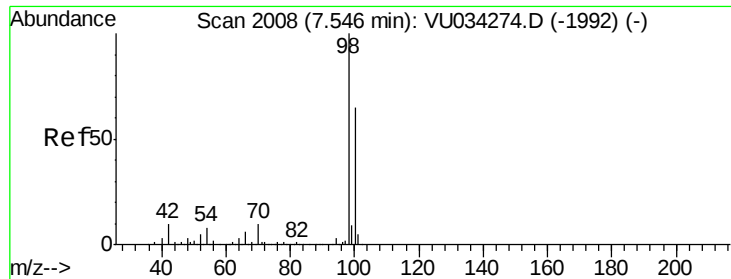
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#40
Benzene
Concen: 13.125 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VU034357.D
Acq: 07 Sep 2019 02:13

Tgt Ion: 78 Resp: 198494
Ion Ratio Lower Upper
78 100
77 23.5 18.7 28.1





#50

Toluene-d8

Concen: 53.661 ug/l

RT: 7.54 min Scan# 2007

Delta R.T. -0.00 min

Lab File: VU034357.D

Acq: 07 Sep 2019 02:13

Instrument :

MSVOA_U

ClientSampled :

S13-0269

Tot Ion: 98 Resp: 810694

Ion Ratio Lower Upper

98 100

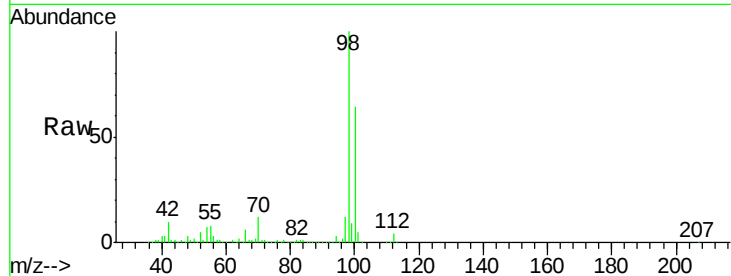
100 63.9 51.7 77.5

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Abundance Ion 98.00 (97.70 to 98.70): VU034274.D (-1992) (-)

Ion 100.00 (99.70 to 100.70): VU034274.D (-1992) (-)

7.54

500000

400000

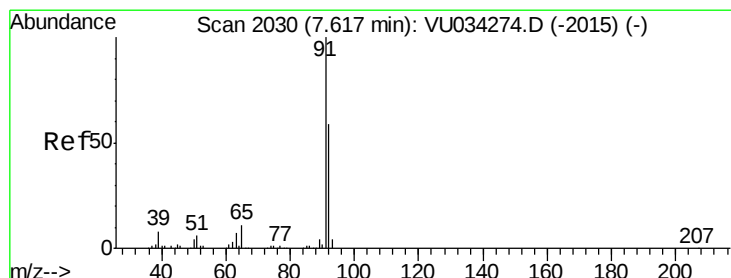
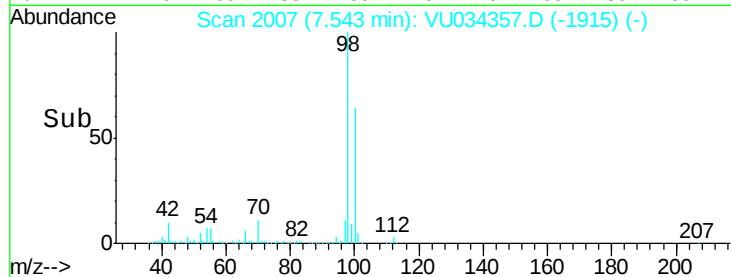
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 0.917 ug/l

RT: 7.62 min Scan# 2032

Delta R.T. 0.01 min

Lab File: VU034357.D

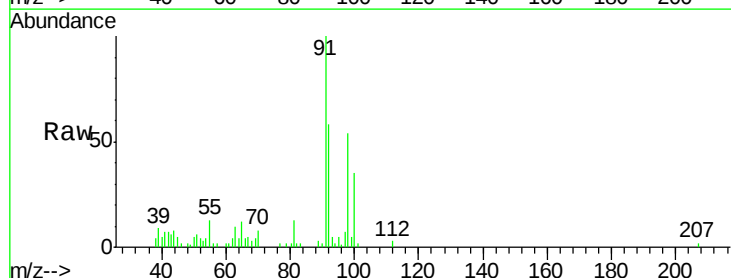
Acq: 07 Sep 2019 02:13

Tgt Ion: 92 Resp: 8700

Ion Ratio Lower Upper

92 100

91 178.6 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VU034274.D (-1915) (-)

Ion 91.00 (90.70 to 91.70): VU034274.D (-1915) (-)

7.62

8000

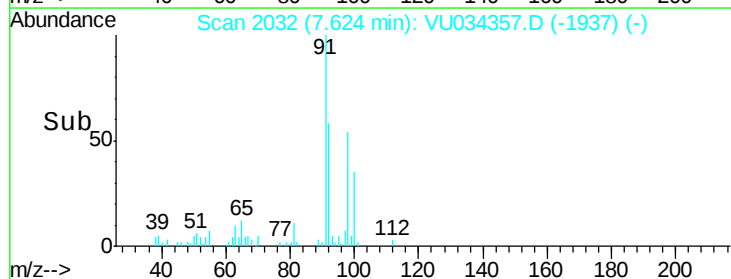
6000

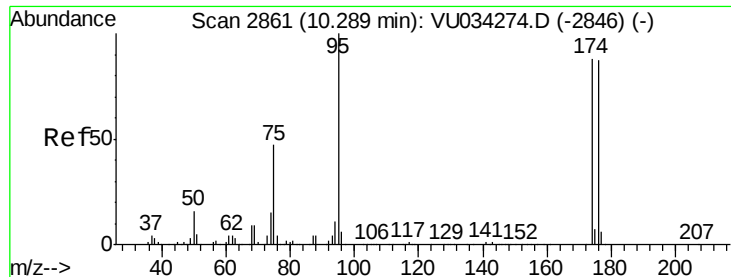
4000

2000

0

Time-->





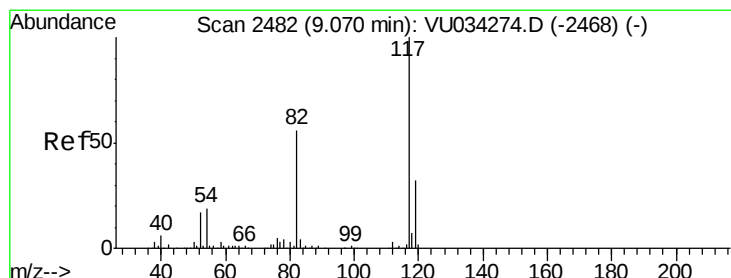
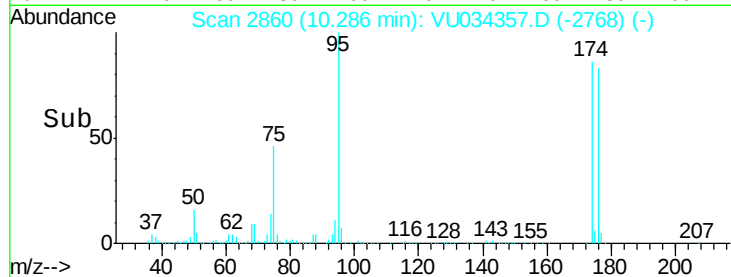
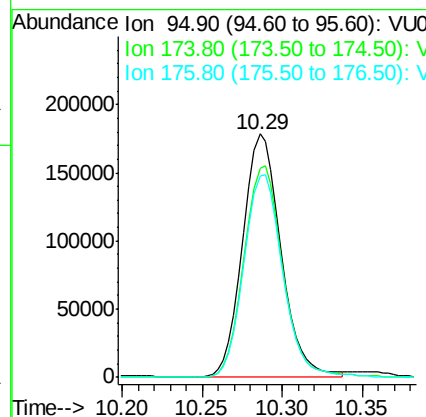
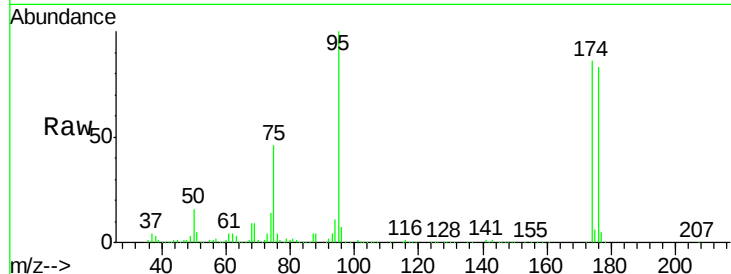
#62
4-Bromofluorobenzene
Concen: 49.827 ug/l
RT: 10.29 min Scan# 2860
Delta R.T. -0.00 min
Lab File: VU034357.D
Acq: 07 Sep 2019 02:13

Instrument :
MSVOA_U
ClientSampleId :
S13-0269

Tot Ion	Ratio	Resp	Lower	Upper
95	100	290637		
174	88.6	0.0	175.2	
176	85.1	0.0	168.0	

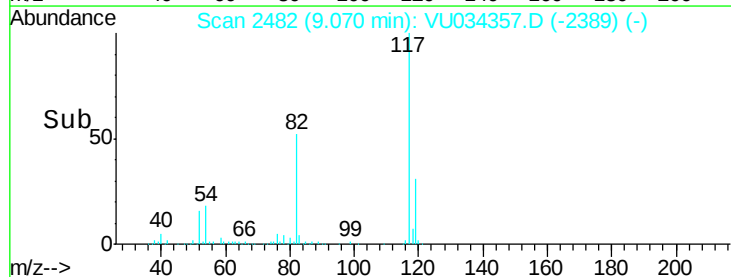
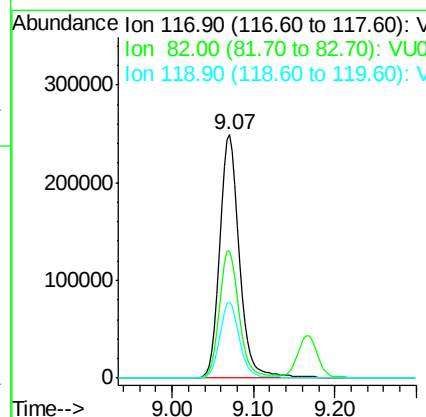
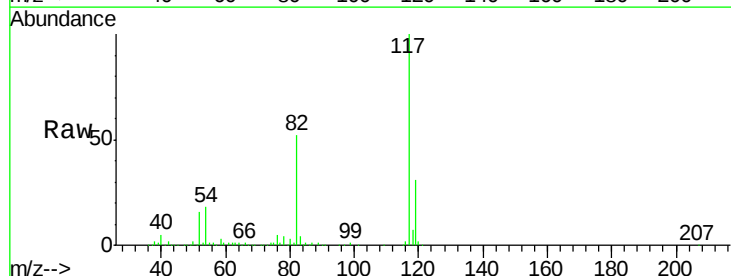
Manual Integrations
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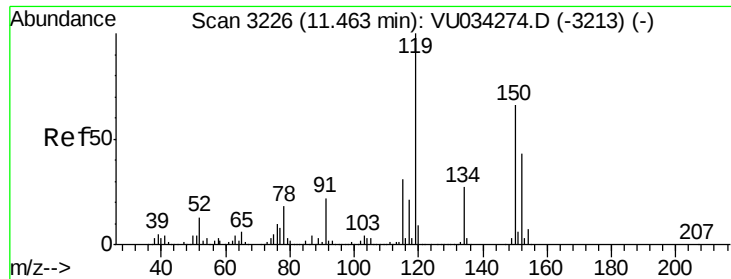
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9/10/2019 1:31:02 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034357.D
Acq: 07 Sep 2019 02:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	428621		
82	52.0	44.6	67.0	
119	31.3	25.9	38.9	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. 0.00 min

Lab File: VU034357.D

Acq: 07 Sep 2019 02:13

Instrument :

MSVOA_U

ClientSampleId :

S13-0269

Tot Ion:152 Resp: 271491

Ion Ratio Lower Upper

152 100

115 57.1 39.1 117.3

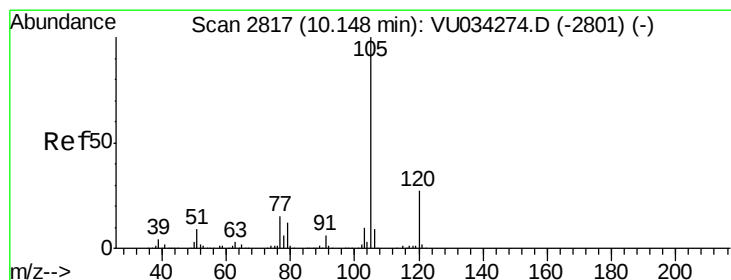
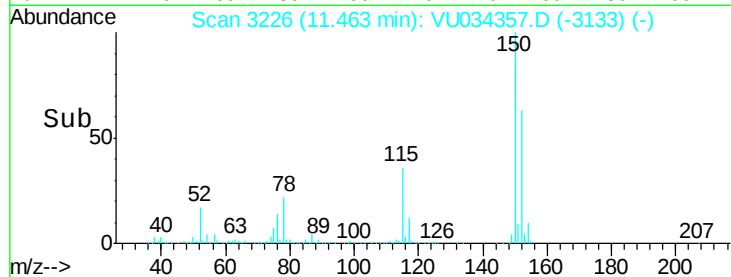
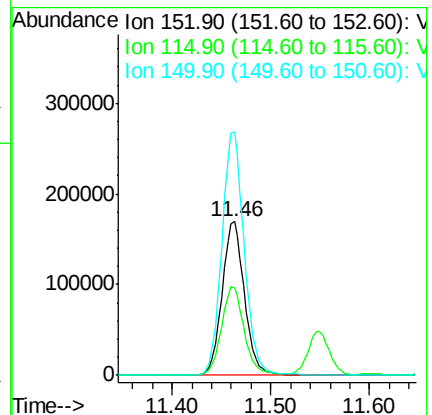
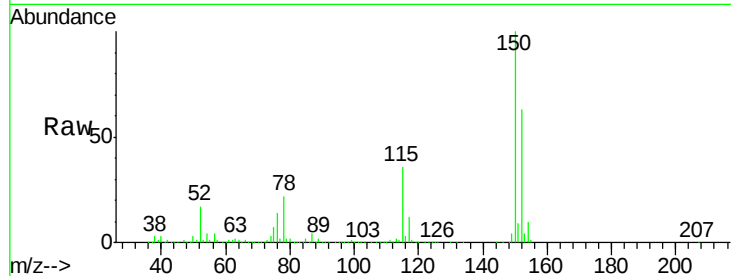
150 157.3 0.0 345.4

Manual Integrations

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9/10/2019 1:31:02 PM



#73

Isopropylbenzene

Concen: 25.129 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034357.D

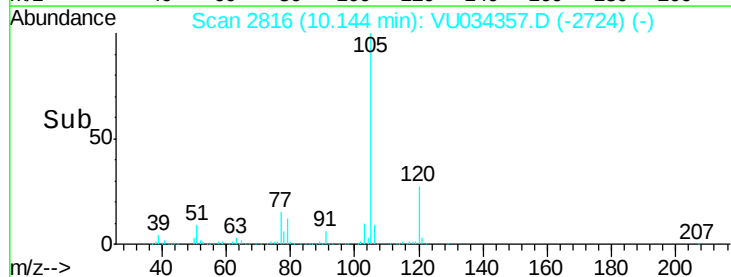
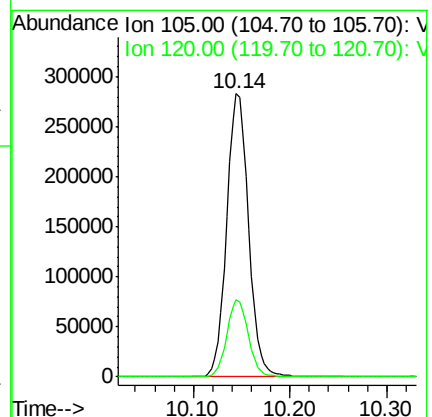
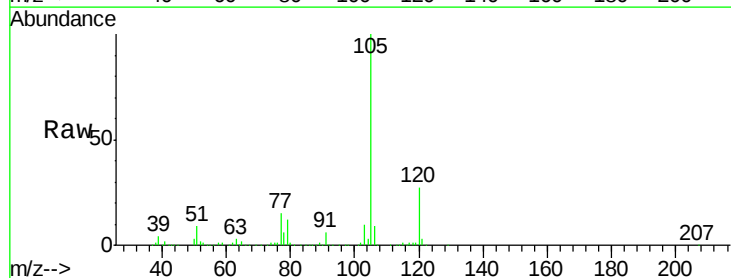
Acq: 07 Sep 2019 02:13

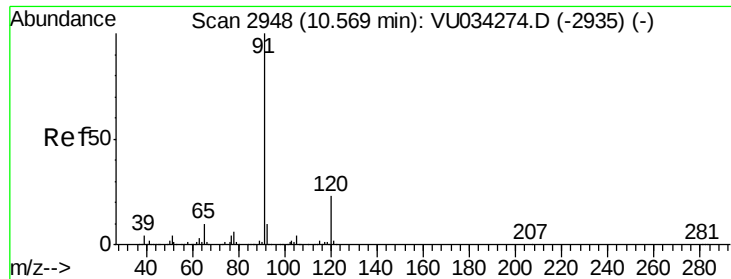
Tgt Ion:105 Resp: 443979

Ion Ratio Lower Upper

105 100

120 26.9 13.4 40.2





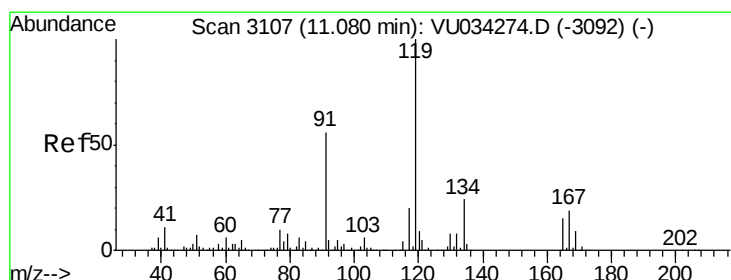
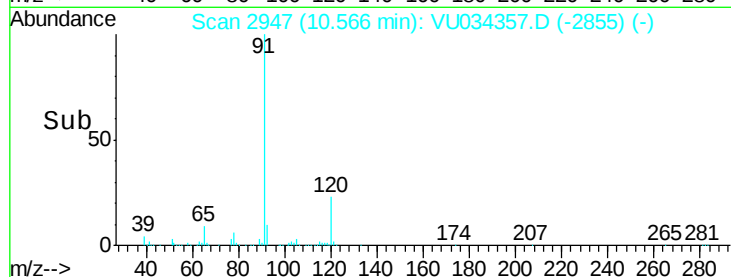
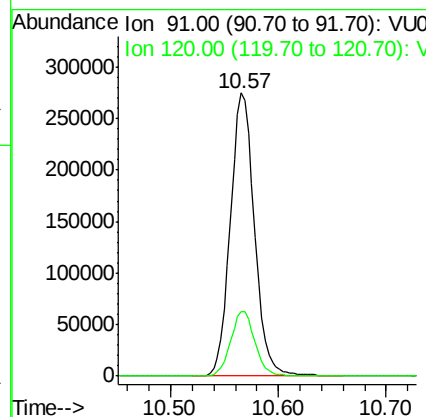
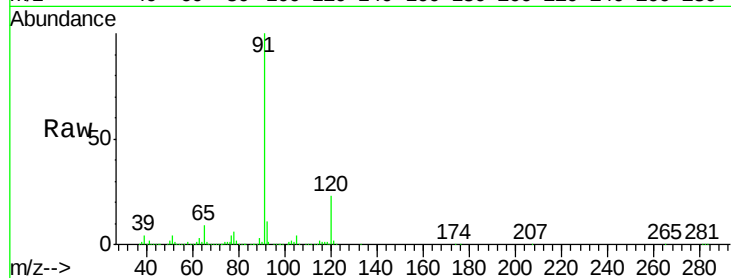
#78
n-propylbenzene
Concen: 20.936 ug/l
RT: 10.57 min Scan# 2947
Delta R.T. -0.00 min
Lab File: VU034357.D
Acq: 07 Sep 2019 02:13

Instrument :
MSVOA_U
ClientSampleId :
S13-0269

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		427192		
120	23.0	11.7	35.0		

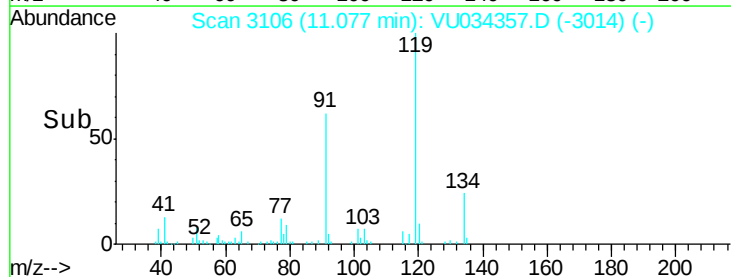
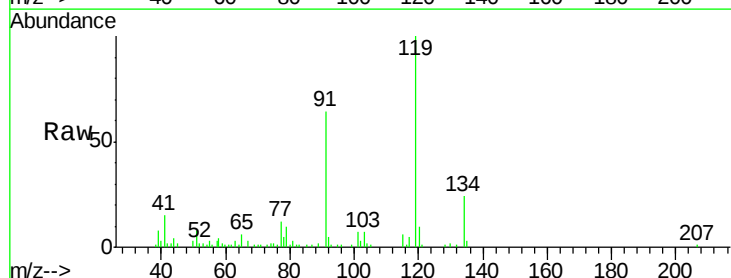
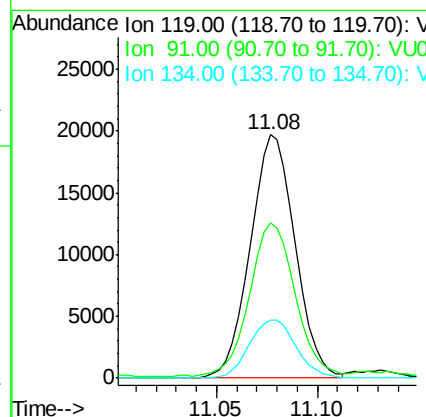
Manual Integrations
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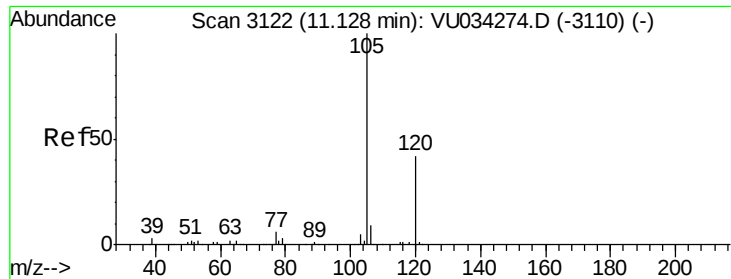
MMDadoda
9/10/2019 1:31:02 PM



#83
tert-Butylbenzene
Concen: 2.074 ug/l
RT: 11.08 min Scan# 3106
Delta R.T. -0.00 min
Lab File: VU034357.D
Acq: 07 Sep 2019 02:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
119	100		30663		
91	64.0	27.8	83.4		
134	24.8	11.7	35.0		





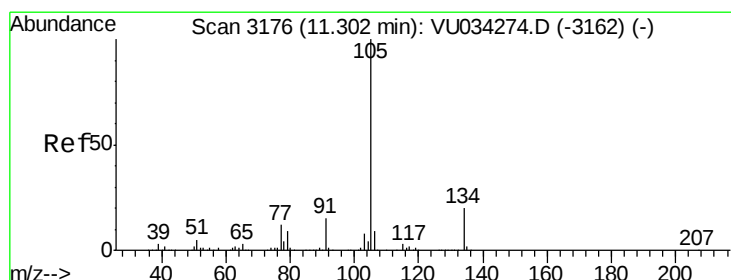
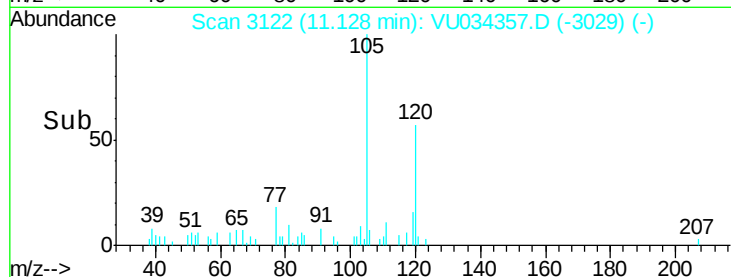
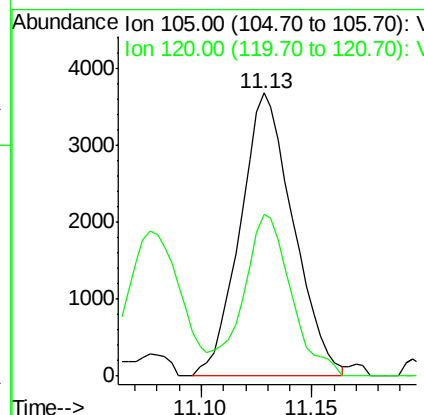
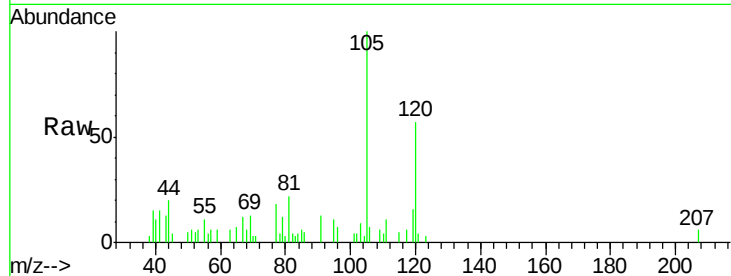
#84
 1,2,4-Trimethylbenzene
 Concen: 0.413 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. 0.00 min
 Lab File: VU034357.D
 Acq: 07 Sep 2019 02:13

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0269

Tot Ion:105 Resp: 6143
 Ion Ratio Lower Upper
 105 100
 120 50.6 22.9 68.8

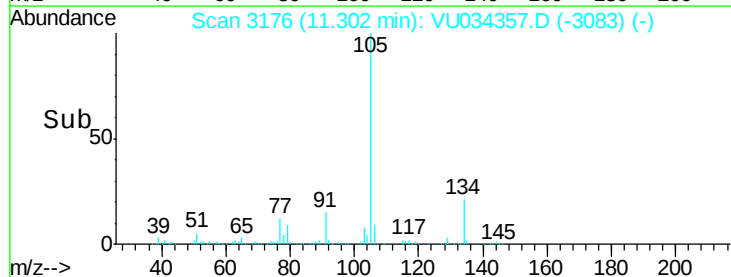
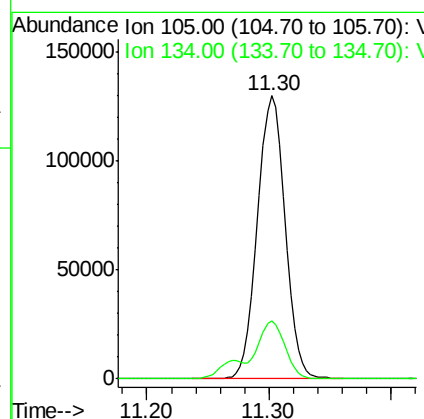
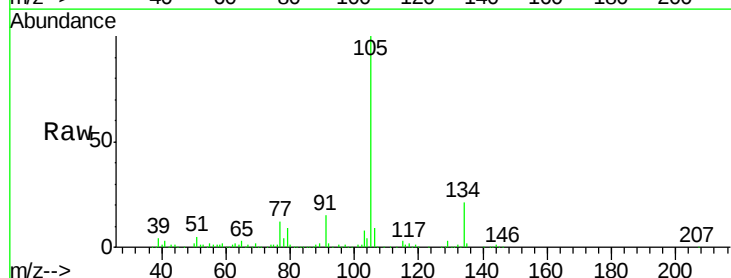
Manual Integrations
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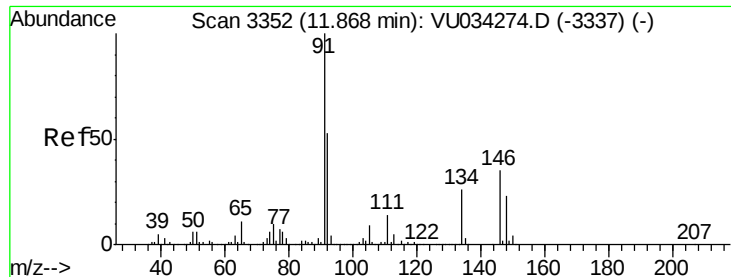
MMDadoda
 9/10/2019 1:31:02 PM



#85
 sec-Butylbenzene
 Concen: 11.644 ug/l
 RT: 11.30 min Scan# 3176
 Delta R.T. 0.00 min
 Lab File: VU034357.D
 Acq: 07 Sep 2019 02:13

Tgt Ion:105 Resp: 203204
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.1 30.3





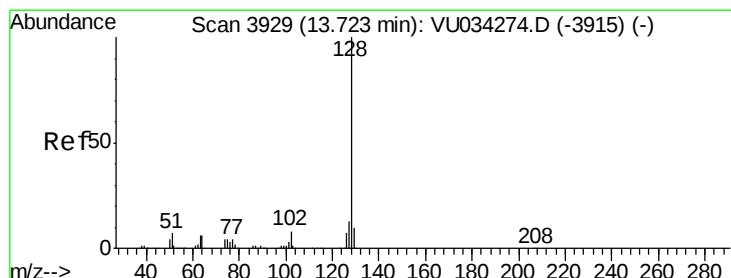
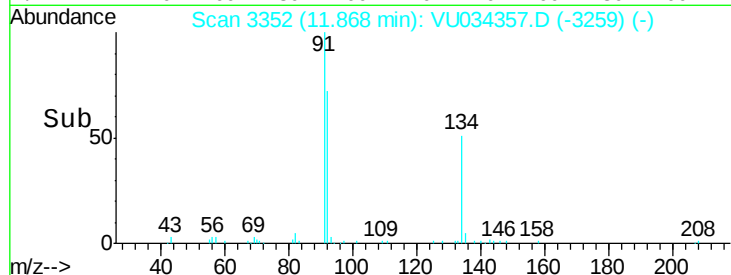
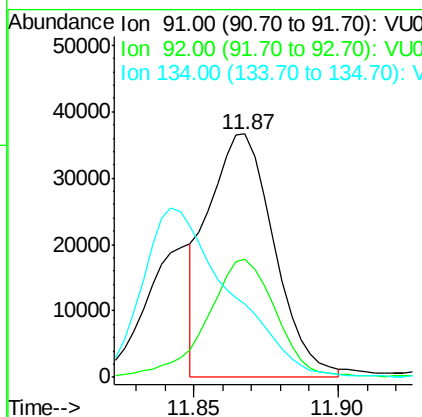
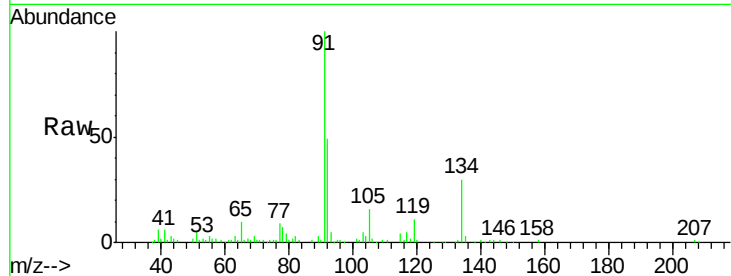
#89
n-Butylbenzene
Concen: 4.160 ug/l m
RT: 11.87 min Scan# 3352
Delta R.T. 0.00 min
Lab File: VU034357.D
Acq: 07 Sep 2019 02:13

Instrument :
MSVOA_U
ClientSampled :
S13-0269

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	26.5	79.4
134	0.0	13.2	39.6

Manual Integrations
APPROVED

MMDadoda
9/10/2019 1:31:02 PM



#95
Naphthalene
Concen: 25.378 ug/l
RT: 13.72 min Scan# 3929
Delta R.T. 0.00 min
Lab File: VU034357.D
Acq: 07 Sep 2019 02:13

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	12.6	8.4	12.6

