

Data File : VU028925.D
Acq On : 22 Dec 2018 19:26
Operator : MD/SY
Sample : J6426-11ME 10X
Misc : 6.73g/10mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
P001-SS013A-3036-01ME

Manual Integrations
APPROVED

MMDadoda
12/24/2018 11:49:09 AM

Quant Time: Dec 24 07:00:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	186383	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	304308	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	278956	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	132543	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	106090	37.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.60%	
35) Dibromofluoromethane	4.88	113	93363	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	
50) Toluene-d8	7.57	98	378612	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
62) 4-Bromofluorobenzene	10.30	95	132722	46.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	4.99	56	15524	2.035	ug/l #	68
39) Methylcyclohexane	6.41	83	38818	9.555	ug/l	89
52) Toluene	7.64	92	2344210	406.136	ug/l	98
65) Chlorobenzene	9.12	112	12771	2.148	ug/l	98
67) Ethyl Benzene	9.25	91	1878021	171.862	ug/l	98
68) m/p-Xylenes	9.38	106	6496937	1633.947	ug/l	93
69) o-Xylene	9.78	106	1570305	406.384	ug/l	95
73) Isopropylbenzene	10.16	105	78010	7.670	ug/l	97
78) n-propylbenzene	10.58	91	148409	11.743	ug/l	91
80) 1,3,5-Trimethylbenzene	10.77	105	152666	18.134	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	449438	51.801	ug/l	97
85) sec-Butylbenzene	11.32	105	13264m	1.272	ug/l	
86) p-Isopropyltoluene	11.48	119	137220	15.496	ug/l	97
87) 1,3-Dichlorobenzene	11.42	146	11972	2.666	ug/l	93
88) 1,4-Dichlorobenzene	11.51	146	80406	17.303	ug/l	97
89) n-Butylbenzene	11.88	91	33912	3.784	ug/l #	34
91) 1,2-Dichlorobenzene	11.88	146	26888	5.985	ug/l	96
93) 1,2,4-Trichlorobenzene	13.50	180	152266	49.333	ug/l	100
95) Naphthalene	13.74	128	316408	29.349	ug/l	99
96) 1,2,3-Trichlorobenzene	13.98	180	83837	27.352	ug/l	96

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

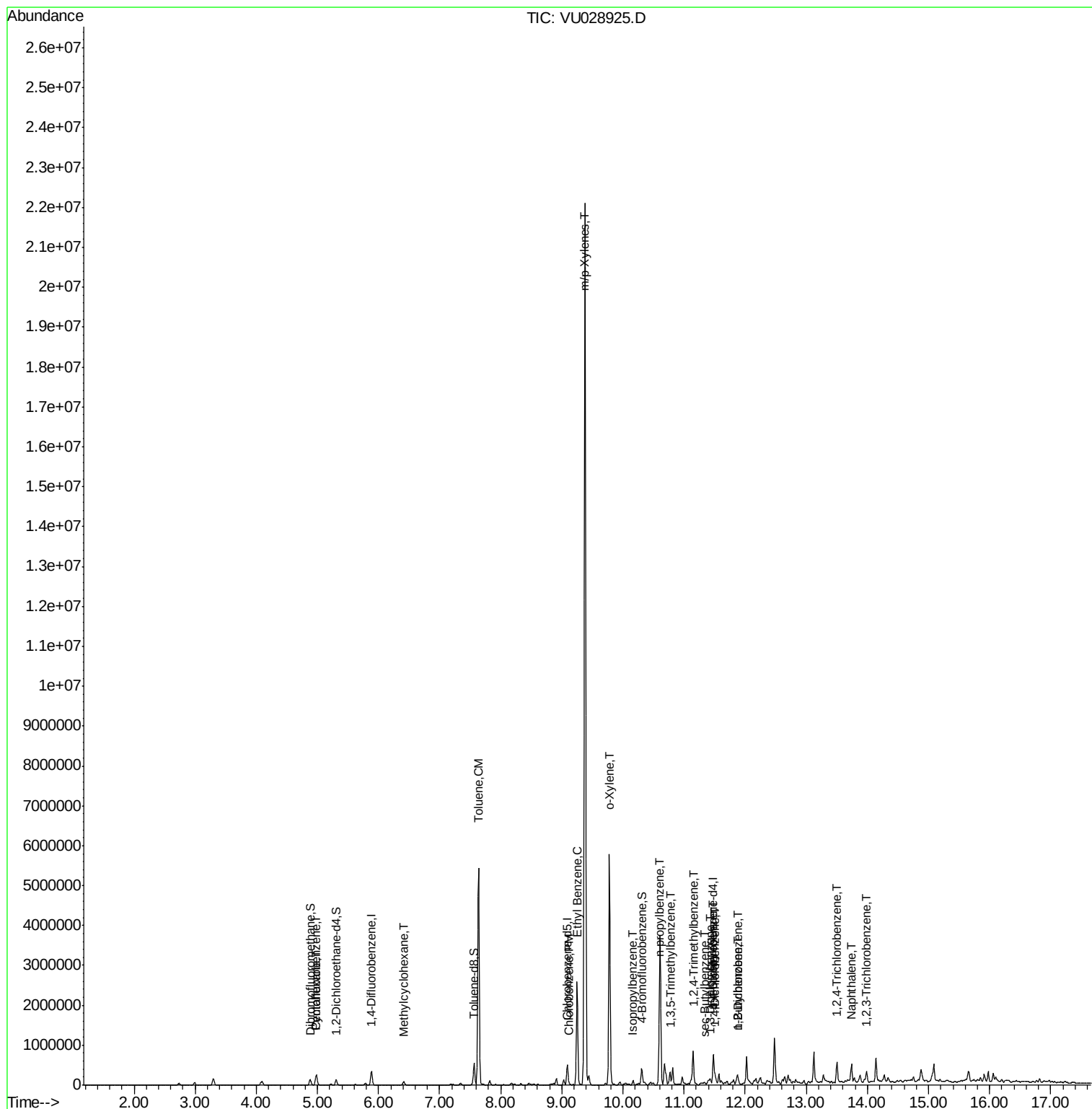
Data File : VU028925.D
Acq On : 22 Dec 2018 19:26
Operator : MD/SY
Sample : J6426-11ME 10X
Misc : 6.73g/10mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

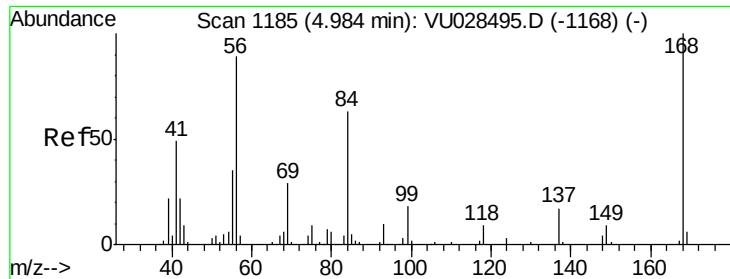
Instrument :
MSVOA_U
ClientSampleId :
P001-SS013A-3036-01ME

Manual Integrations
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12/24/2018 11:49:09 AM

Quant Time: Dec 24 07:00:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028925.D

Acq: 22 Dec 2018 19:26

Instrument :

MSVOA_U

ClientSampleId :

P001-SS013A-3036-01ME

Tgt Ion: 168 Resp: 186383

Ion Ratio Lower Upper

168 100

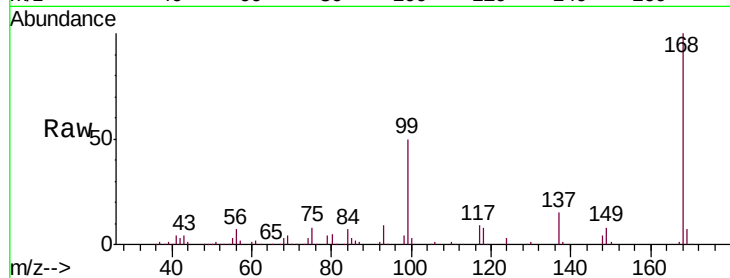
99 50.5 46.6 69.8

Manual Integrations

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12/24/2018 11:49:09 AM



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

80000

60000

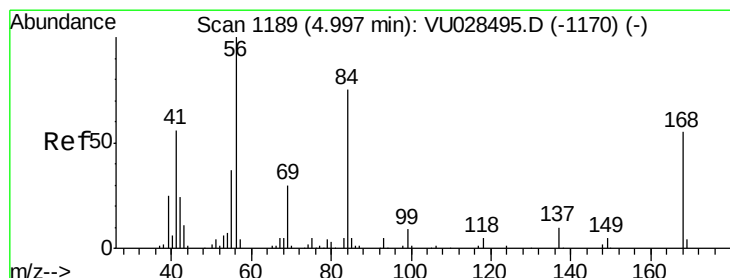
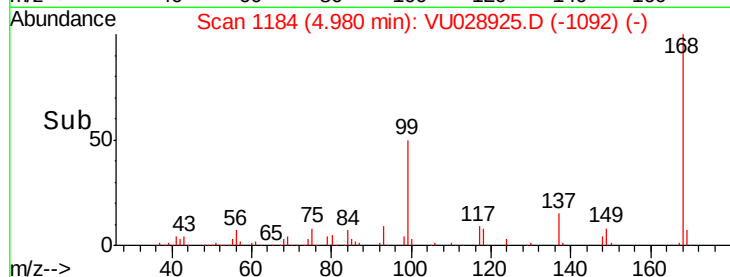
40000

20000

0

4.90 5.00 5.10

Time-->



#31

Cyclohexane

Concen: 2.035 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VU028925.D

Acq: 22 Dec 2018 19:26

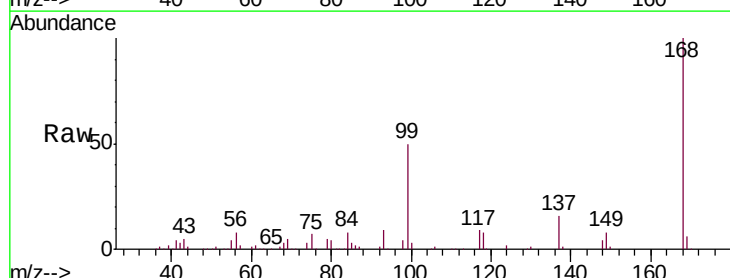
Tgt Ion: 56 Resp: 15524

Ion Ratio Lower Upper

56 100

69 63.3 24.0 36.0#

84 91.9 59.7 89.5#



Abundance Ion 56.00 (55.70 to 56.70): VU028495.D (-1170) (-)

Ion 69.00 (68.70 to 69.70): VU028495.D (-1170) (-)

Ion 84.00 (83.70 to 84.70): VU028495.D (-1170) (-)

4.99

8000

6000

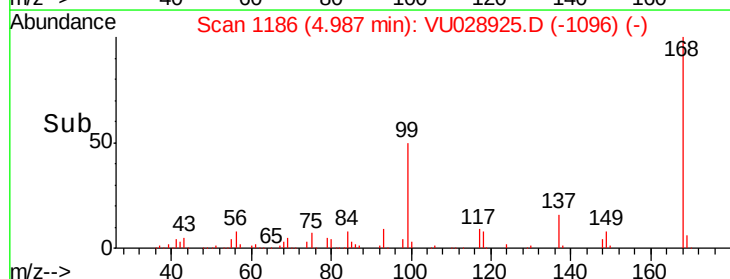
4000

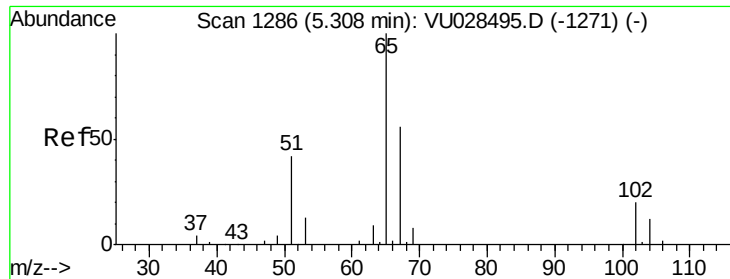
2000

0

4.90 4.95 5.00 5.05

Time-->





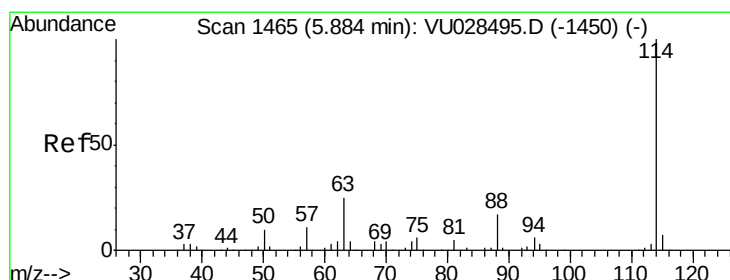
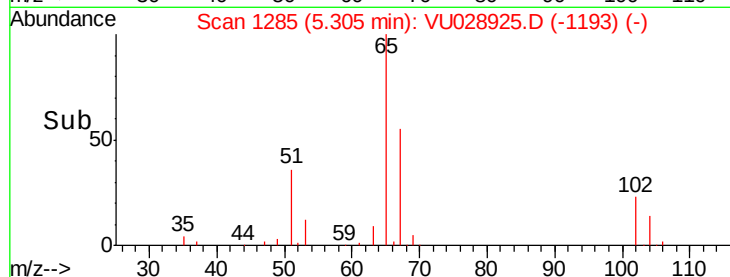
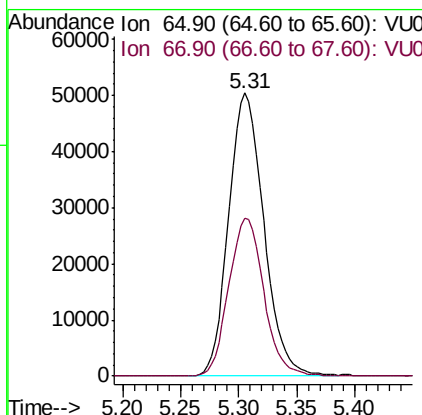
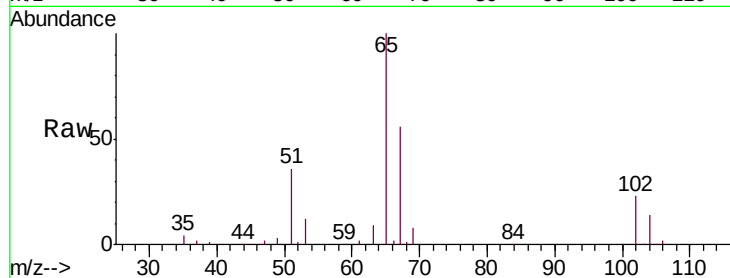
#33
 1,2-Dichloroethane-d4
 Concen: 37.299 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VU028925.D
 Acq: 22 Dec 2018 19:26

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS013A-3036-01ME

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	106090		
67	55.6	0.0	110.6	

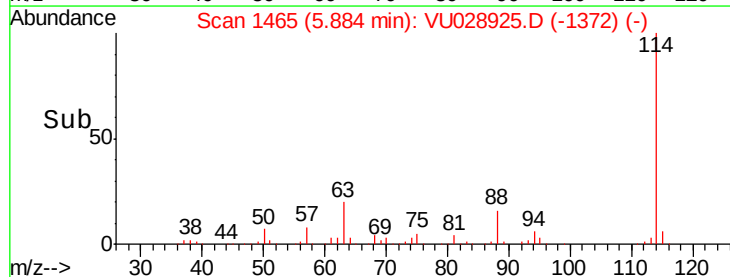
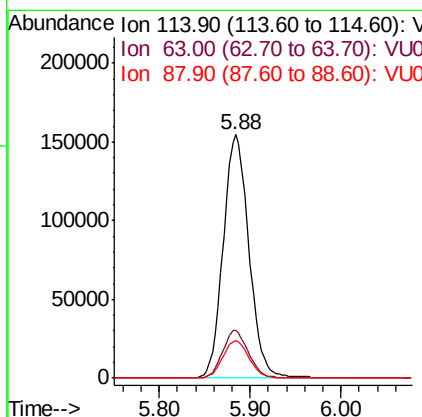
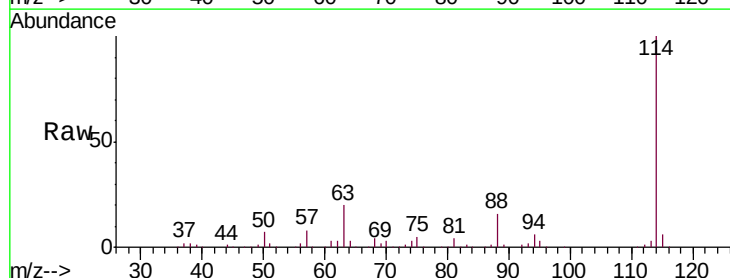
Manual Integrations
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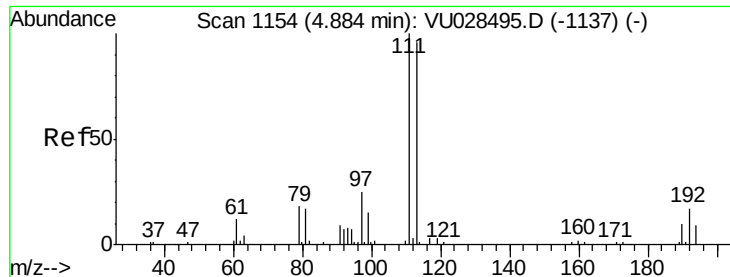
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU028925.D
 Acq: 22 Dec 2018 19:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	304308		
63	19.9	0.0	49.2	
88	15.5	0.0	33.4	





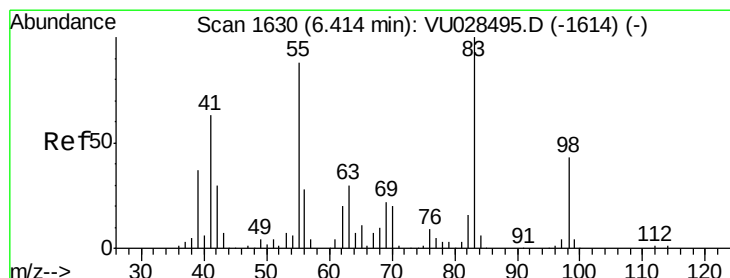
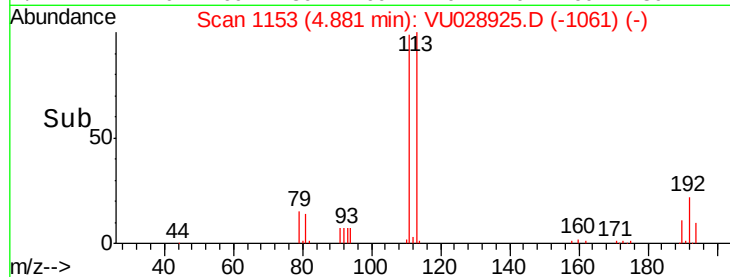
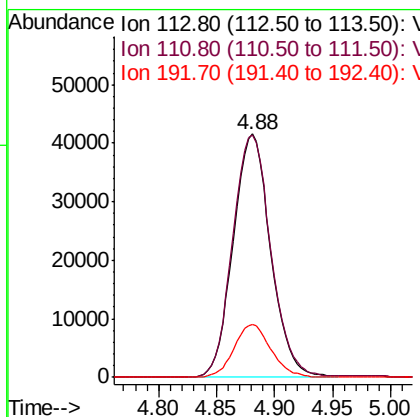
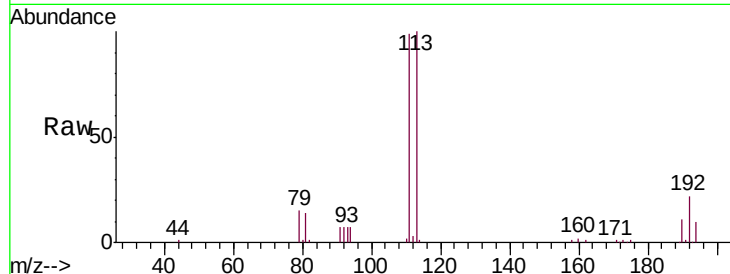
#35
Dibromofluoromethane
Concen: 48.753 ug/l
RT: 4.88 min Scan# 1153
Delta R.T. -0.00 min
Lab File: VU028925.D
Acq: 22 Dec 2018 19:26

Instrument :
MSVOA_U
ClientSampleId :
P001-SS013A-3036-01ME

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	93363		
111	101.9	83.4	125.0	
192	21.4	14.8	22.2	

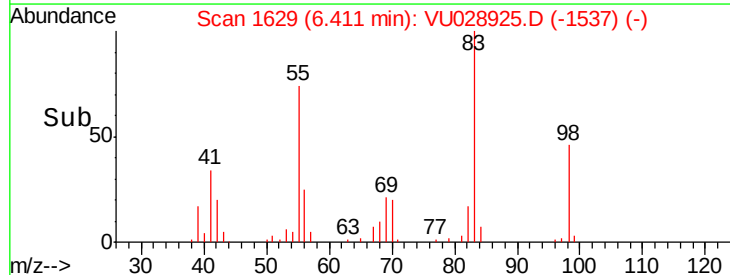
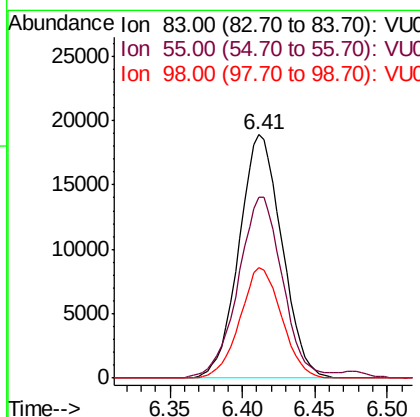
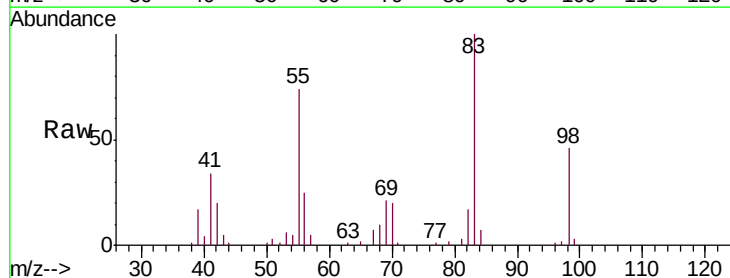
Manual Integrations
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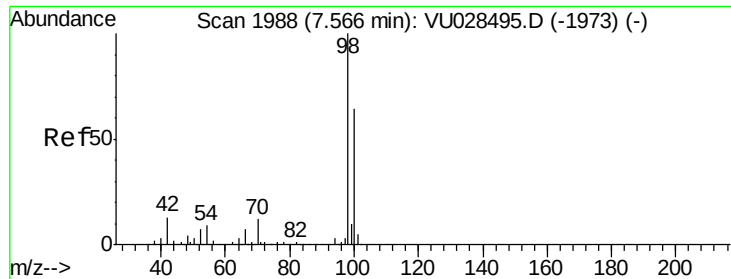
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#39
Methylcyclohexane
Concen: 9.555 ug/l
RT: 6.41 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VU028925.D
Acq: 22 Dec 2018 19:26

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	38818		
55	73.8	70.2	105.2	
98	45.6	34.2	51.4	





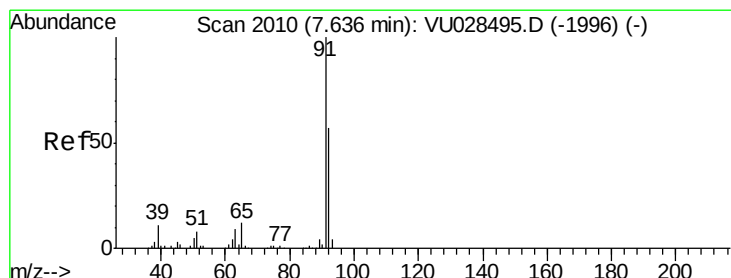
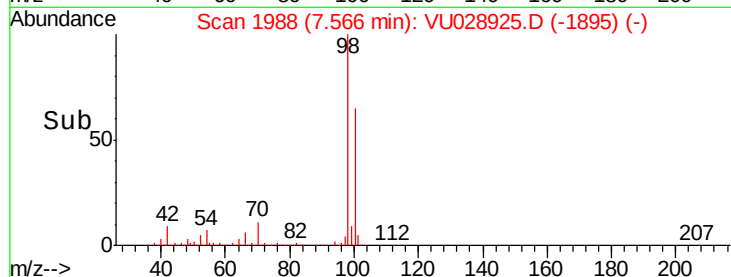
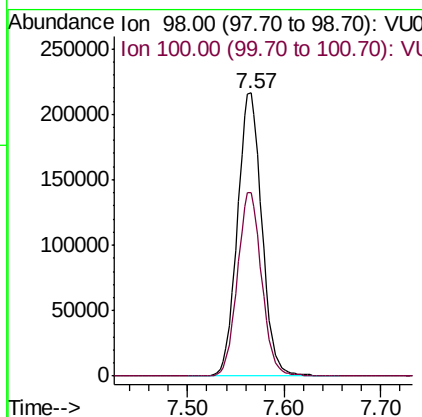
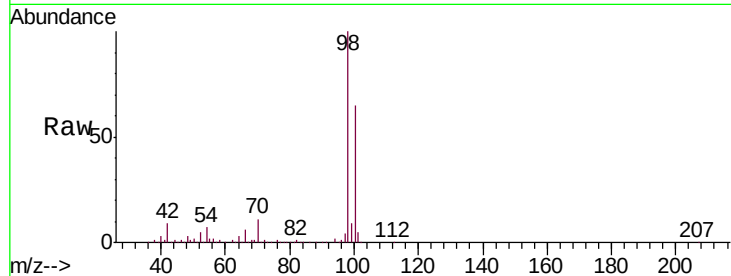
#50
Toluene-d8
Concen: 49.978 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028925.D
Acq: 22 Dec 2018 19:26

Instrument :
MSVOA_U
ClientSampleId :
P001-SS013A-3036-01ME

Tgt Ion: 98 Resp: 378612
Ion Ratio Lower Upper
98 100
100 64.4 51.0 76.6

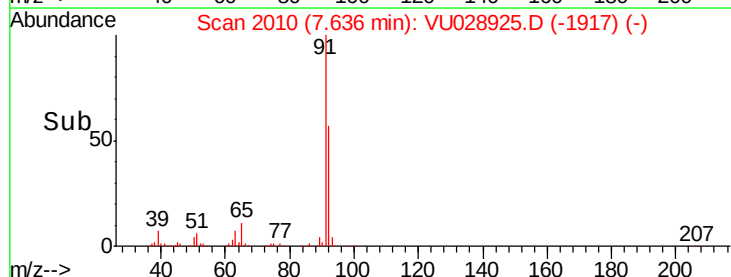
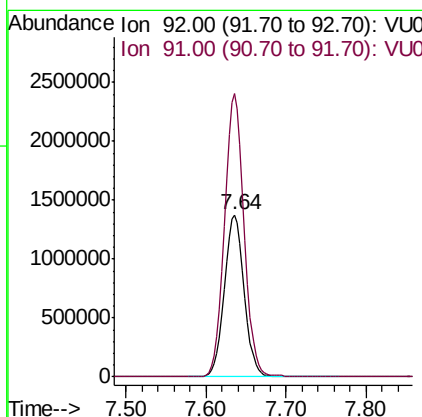
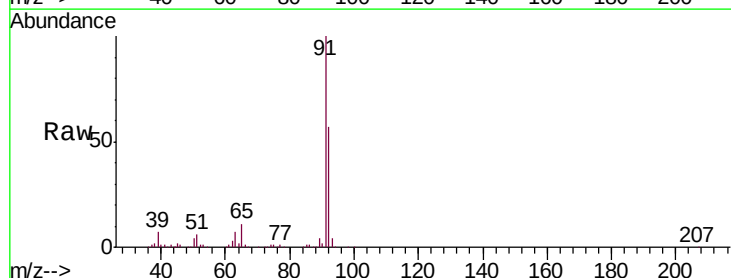
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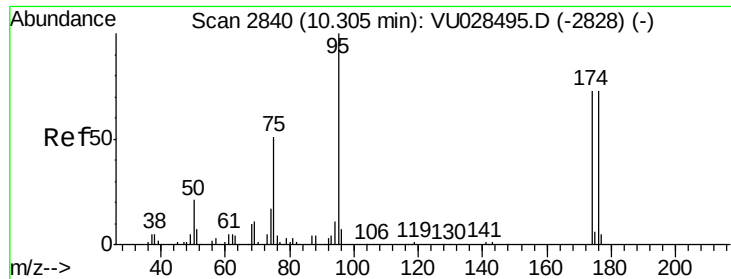
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#52
Toluene
Concen: 406.136 ug/l
RT: 7.64 min Scan# 2010
Delta R.T. -0.00 min
Lab File: VU028925.D
Acq: 22 Dec 2018 19:26

Tgt Ion: 92 Resp: 2344210
Ion Ratio Lower Upper
92 100
91 173.1 140.2 210.4





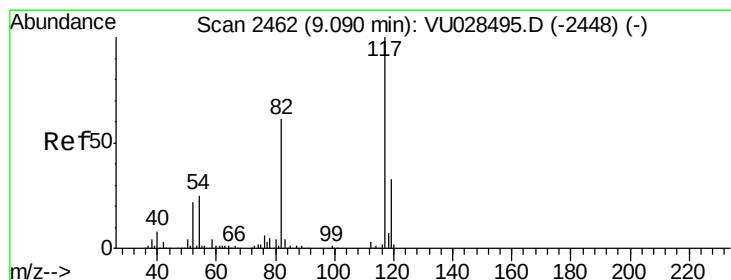
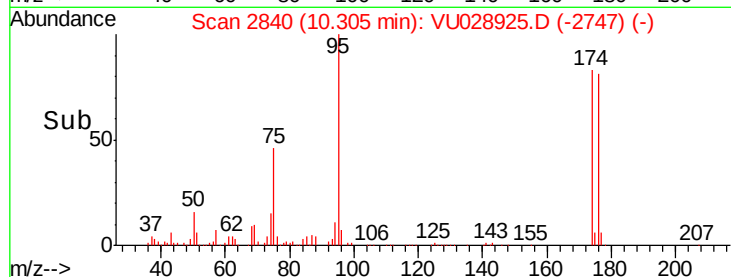
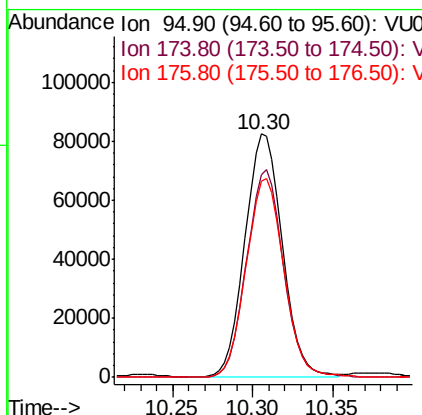
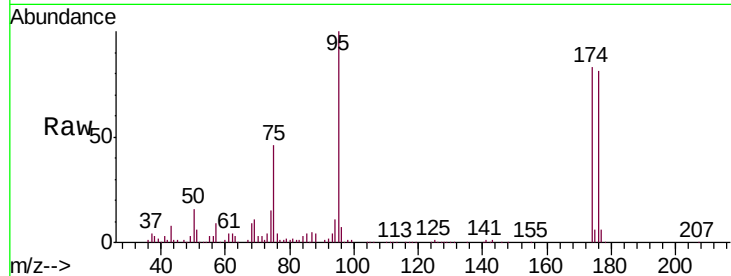
#62
4-Bromofluorobenzene
Concen: 46.874 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VU028925.D
Acq: 22 Dec 2018 19:26

Instrument :
MSVOA_U
ClientSampleId :
P001-SS013A-3036-01ME

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	132722		
174	84.2	0.0	150.4	
176	82.3	0.0	145.2	

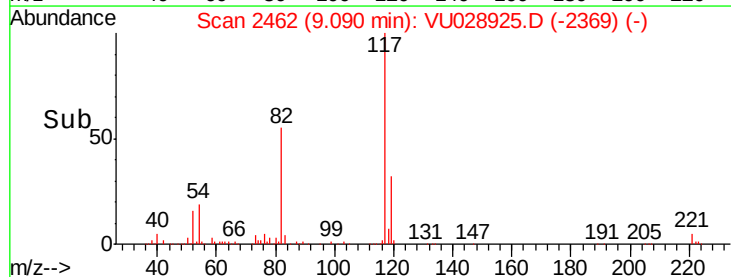
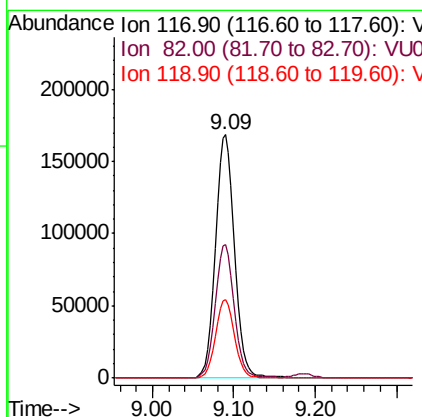
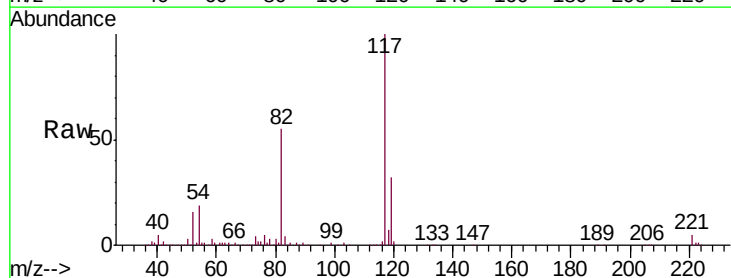
Manual Integrations
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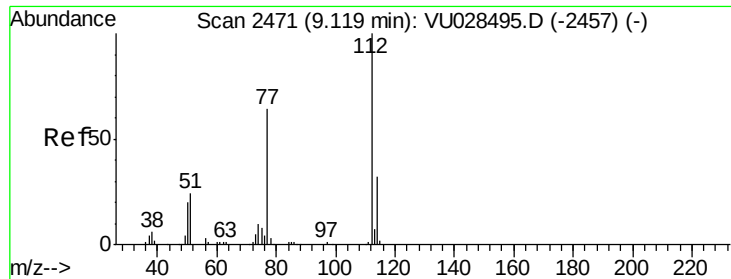
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028925.D
Acq: 22 Dec 2018 19:26

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	278956		
82	54.8	48.9	73.3	
119	32.3	26.2	39.4	





#65

Chlorobenzene

Concen: 2.148 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VU028925.D

Acq: 22 Dec 2018 19:26

Instrument :

MSVOA_U

ClientSampleId :

P001-SS013A-3036-01ME

Tgt Ion: 112 Resp: 12771

Ion Ratio Lower Upper

112 100

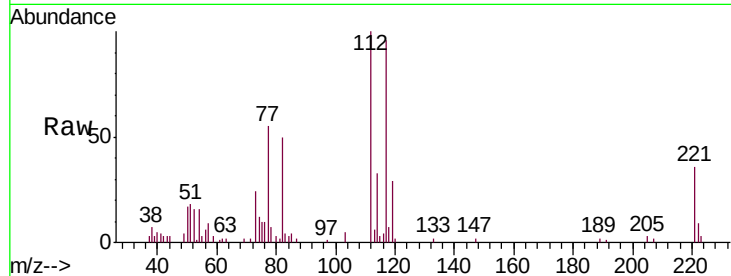
114 32.6 25.3 37.9

Manual Integrations

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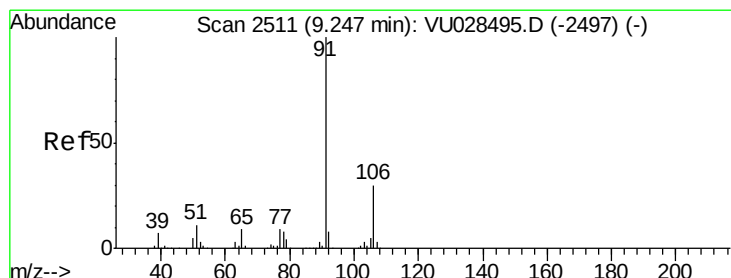
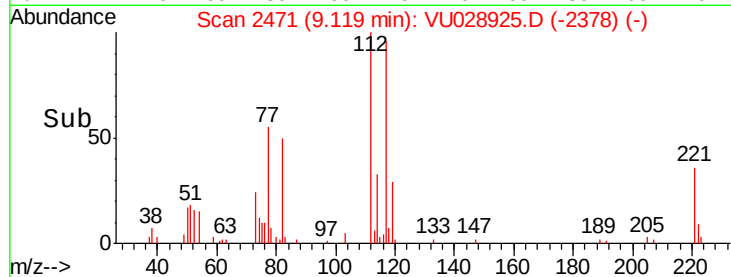
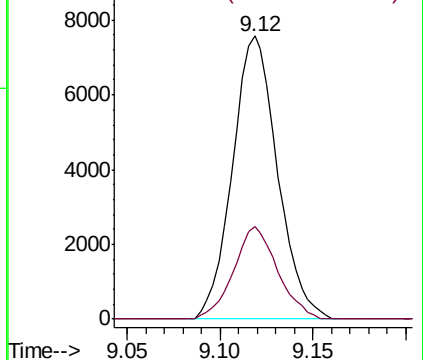
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#67

Ethyl Benzene

Concen: 171.862 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU028925.D

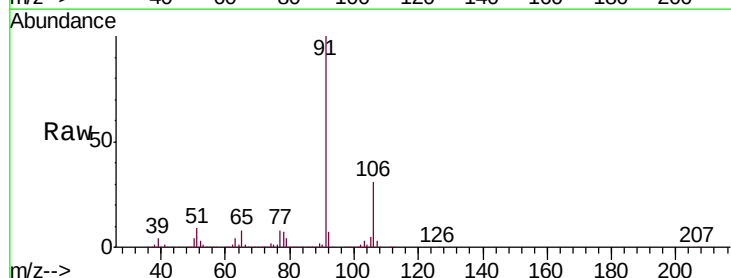
Acq: 22 Dec 2018 19:26

Tgt Ion: 91 Resp: 1878021

Ion Ratio Lower Upper

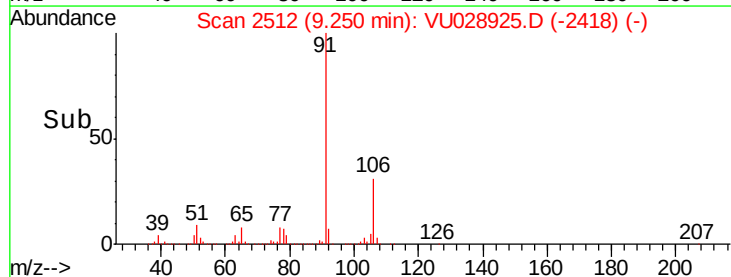
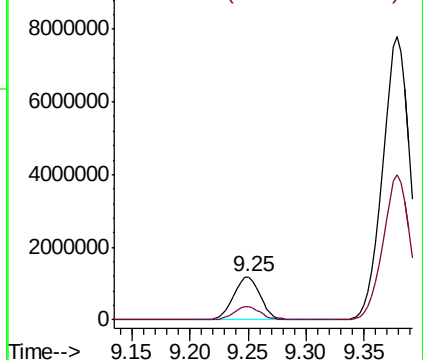
91 100

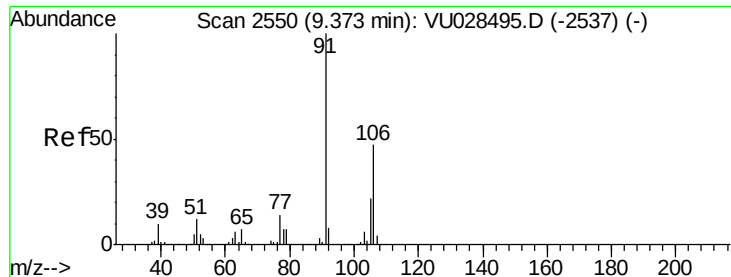
106 31.0 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





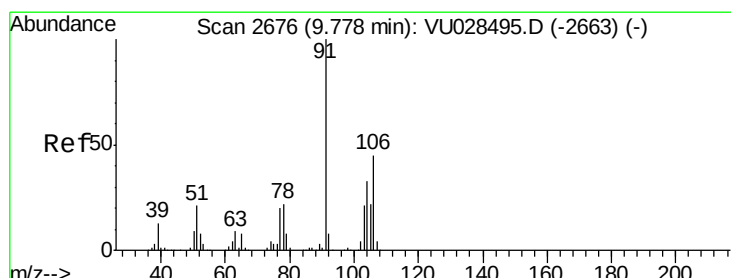
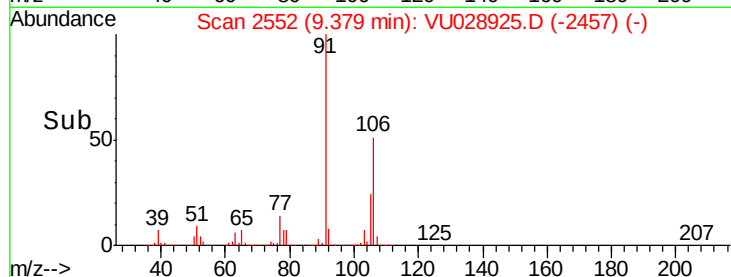
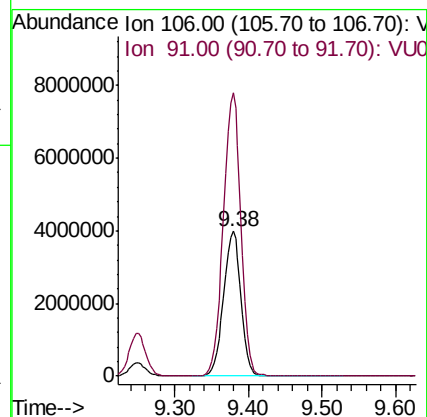
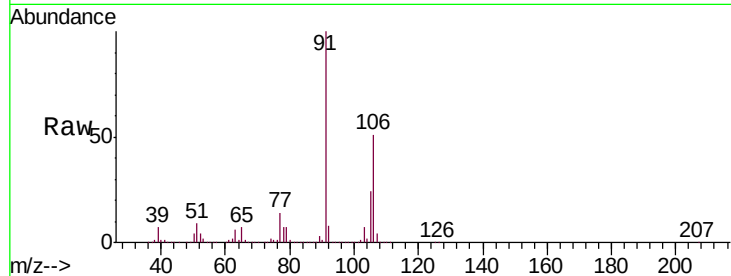
#68
m/p-Xylenes
Concen: 1633.947 ug/l
RT: 9.38 min Scan# 2552
Delta R.T. 0.01 min
Lab File: VU028925.D
Acq: 22 Dec 2018 19:26

Instrument :
MSVOA_U
ClientSampleId :
P001-SS013A-3036-01ME

Tgt Ion:106 Resp: 6496937
Ion Ratio Lower Upper
106 100
91 197.6 167.4 251.0

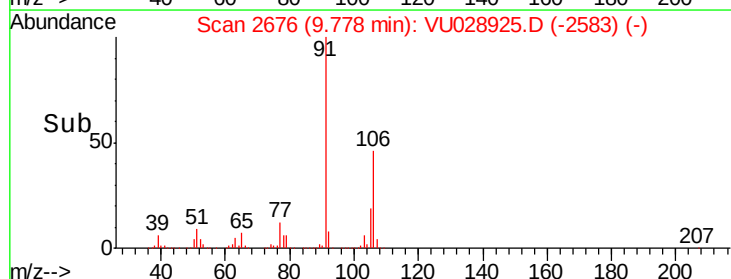
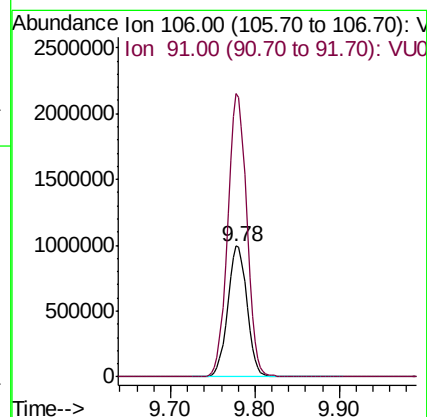
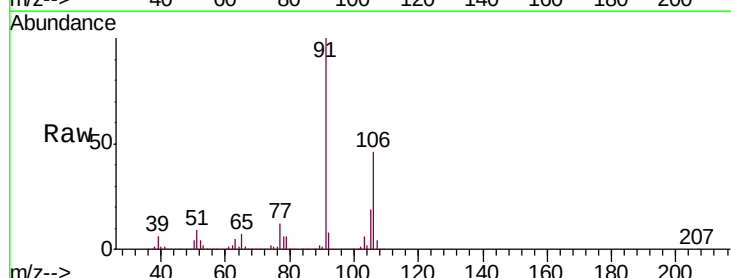
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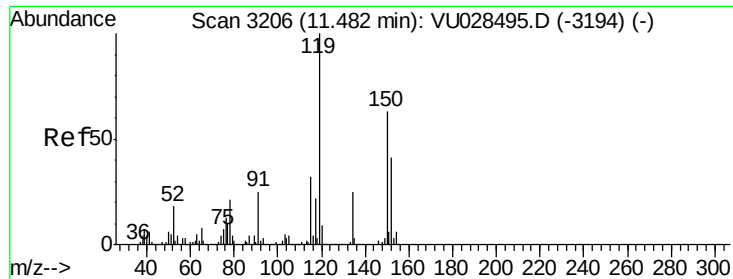
MMDadoda
12/24/2018 11:49:09 AM



#69
o-Xylene
Concen: 406.384 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028925.D
Acq: 22 Dec 2018 19:26

Tgt Ion:106 Resp: 1570305
Ion Ratio Lower Upper
106 100
91 214.8 111.3 334.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU028925.D

Acq: 22 Dec 2018 19:26

Instrument :

MSVOA_U

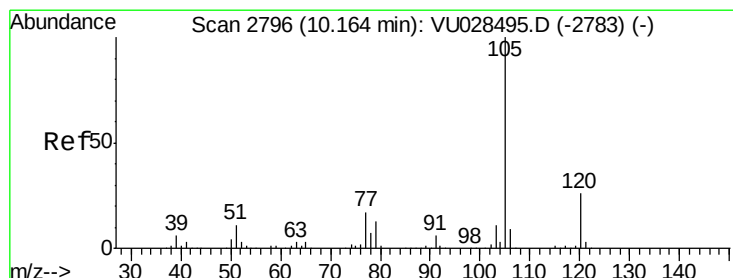
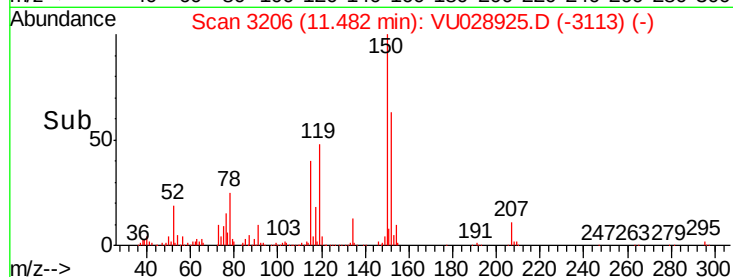
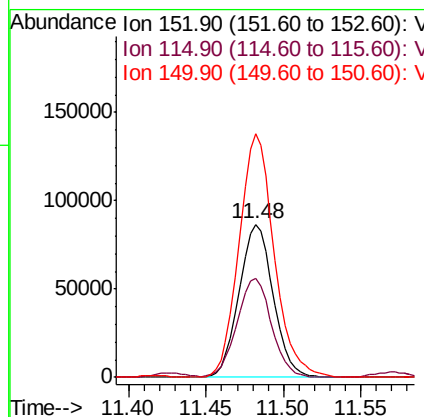
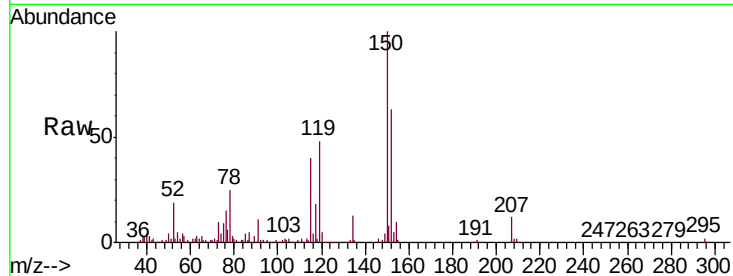
ClientSampleId :

P001-SS013A-3036-01ME

Tgt Ion:	152	Resp:	132543
Ion Ratio	Lower	Upper	
152	100		
115	65.4	42.7	128.1
150	163.5	0.0	346.0

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#73

Isopropylbenzene

Concen: 7.670 ug/l

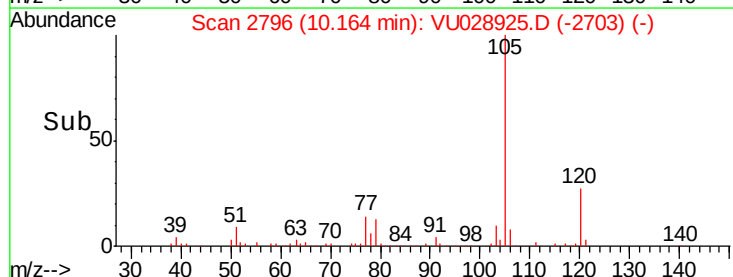
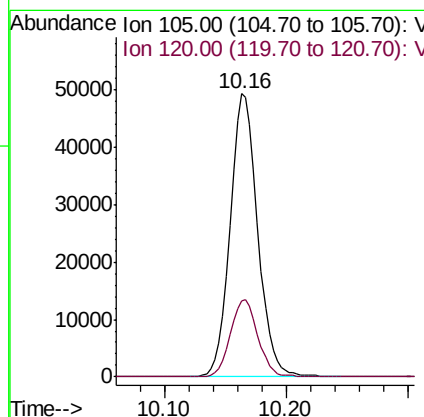
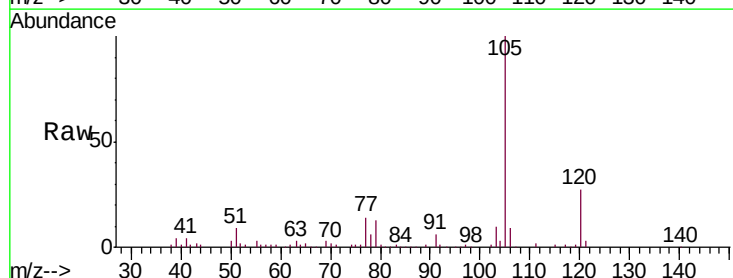
RT: 10.16 min Scan# 2796

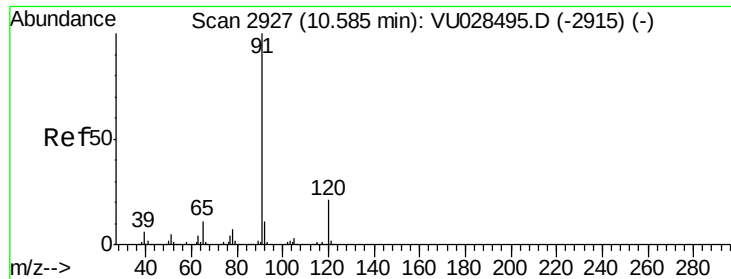
Delta R.T. 0.00 min

Lab File: VU028925.D

Acq: 22 Dec 2018 19:26

Tgt Ion:	105	Resp:	78010
Ion Ratio	Lower	Upper	
105	100		
120	27.3	12.9	38.6





#78

n-propylbenzene

Concen: 11.743 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028925.D

Acq: 22 Dec 2018 19:26

Instrument :

MSVOA_U

ClientSampleId :

P001-SS013A-3036-01ME

Tgt Ion: 91 Resp: 148409

Ion Ratio Lower Upper

91 100

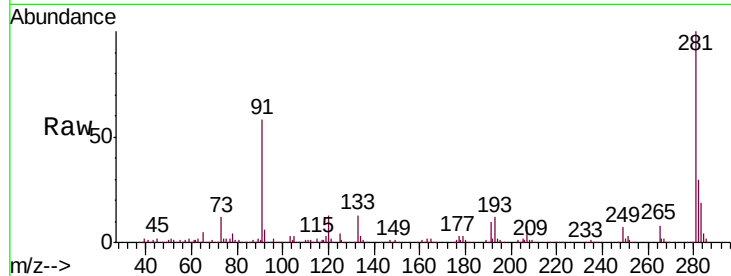
120 25.4 10.6 31.8

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Abundance Ion 91.00 (90.70 to 91.70): VU028925.D (-2834) (-)

Ion 120.00 (119.70 to 120.70): VU028925.D (-2834) (-)

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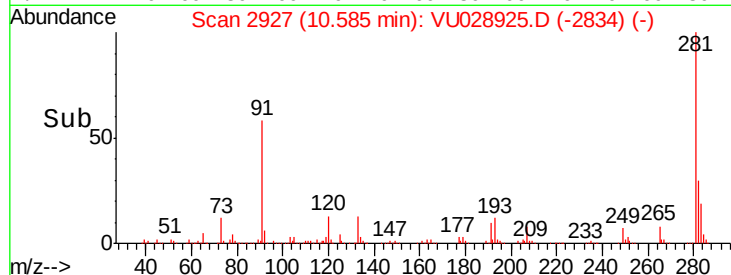
10.58

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#80

1,3,5-Trimethylbenzene

Concen: 18.134 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028925.D

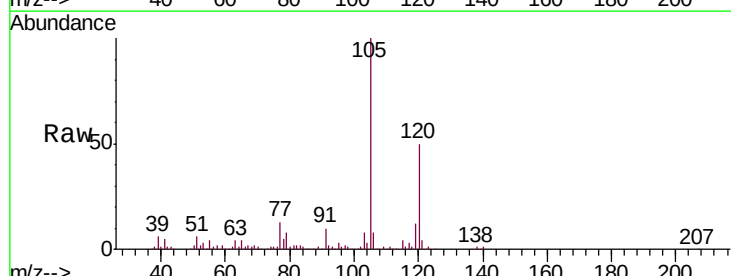
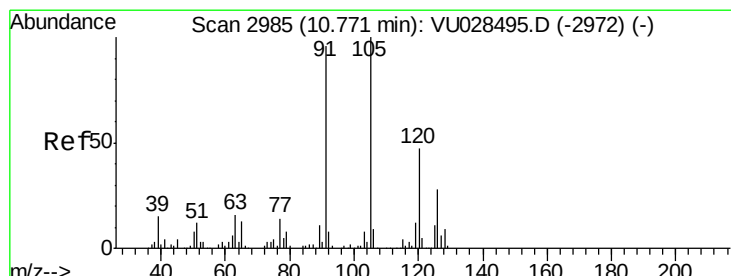
Acq: 22 Dec 2018 19:26

Tgt Ion: 105 Resp: 152666

Ion Ratio Lower Upper

105 100

120 49.1 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VU028925.D (-2892) (-)

Ion 120.00 (119.70 to 120.70): VU028925.D (-2892) (-)

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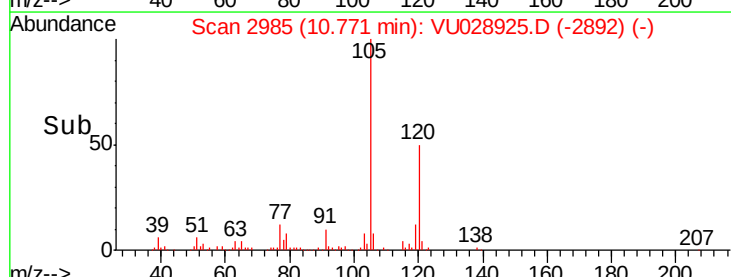
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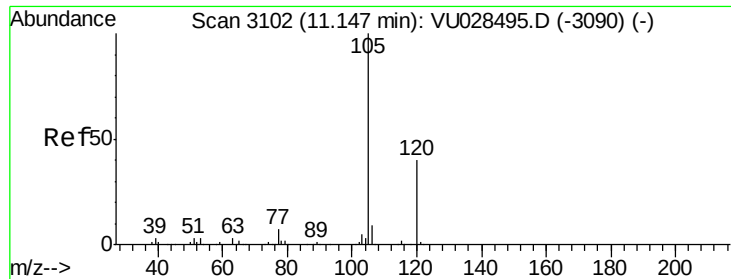
10.77

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10.77



#84

1,2,4-Trimethylbenzene

Concen: 51.801 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. 0.00 min

Lab File: VU028925.D

Acq: 22 Dec 2018 19:26

Instrument :

MSVOA_U

ClientSampleId :

P001-SS013A-3036-01ME

Tgt Ion:105 Resp: 449438

Ion Ratio Lower Upper

105 100

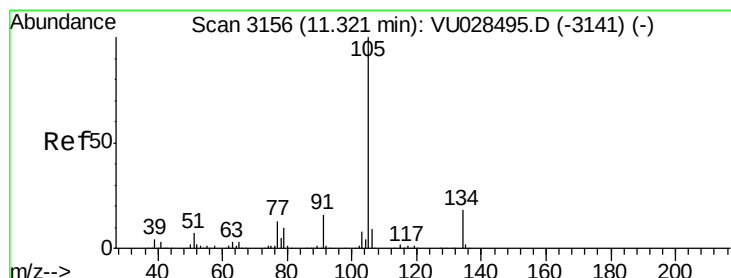
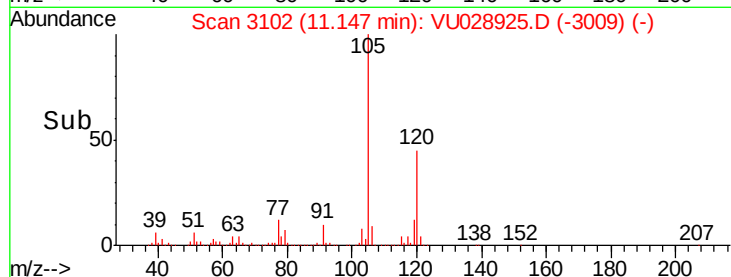
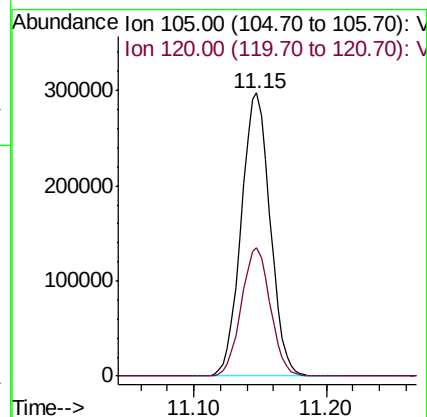
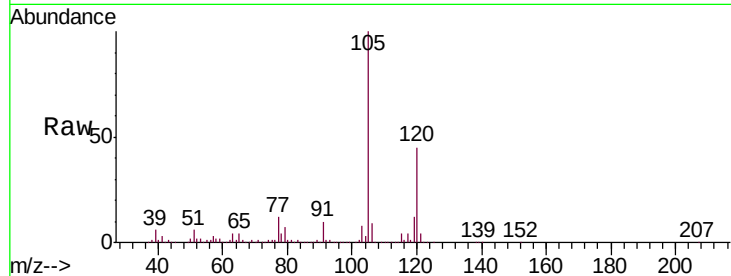
120 45.5 21.8 65.4

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#85

sec-Butylbenzene

Concen: 1.272 ug/l m

RT: 11.32 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VU028925.D

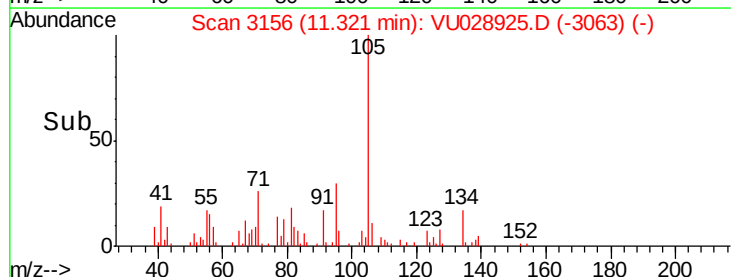
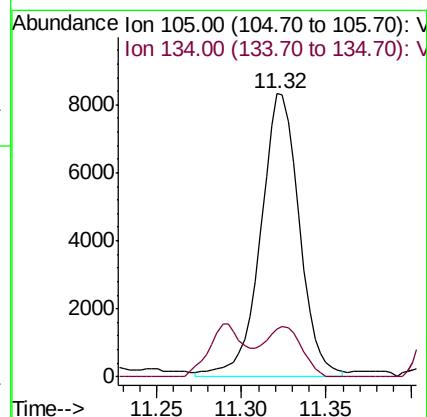
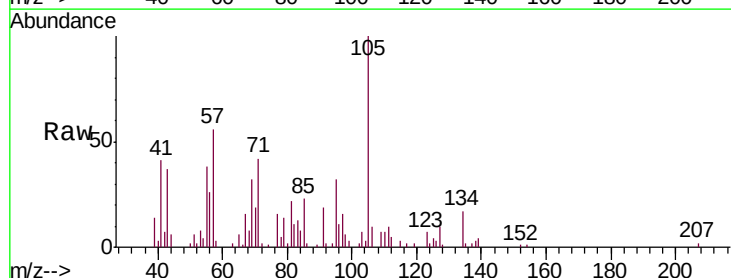
Acq: 22 Dec 2018 19:26

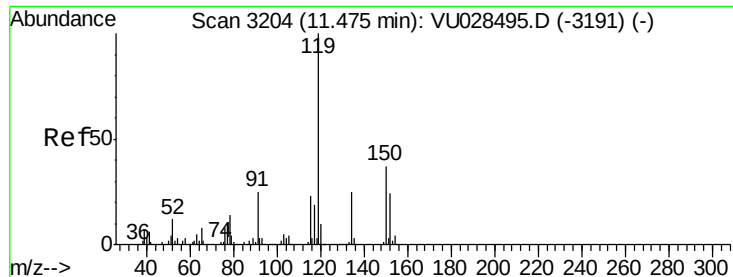
Tgt Ion:105 Resp: 13264

Ion Ratio Lower Upper

105 100

134 0.0 9.2 27.6#





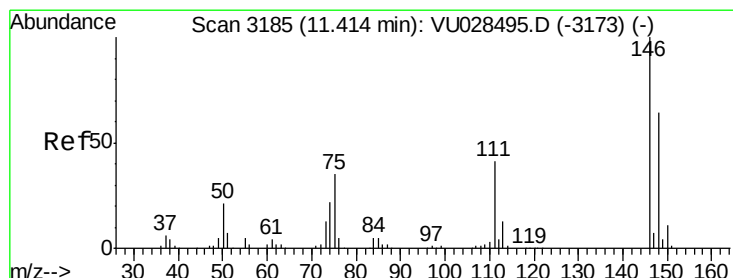
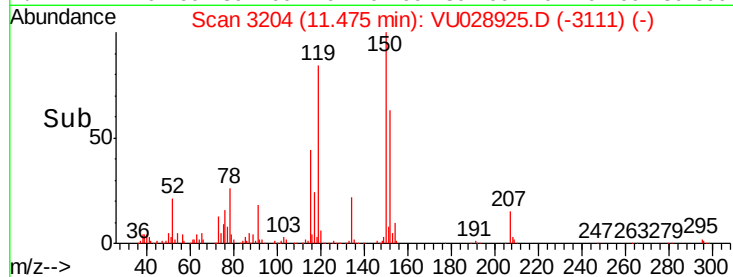
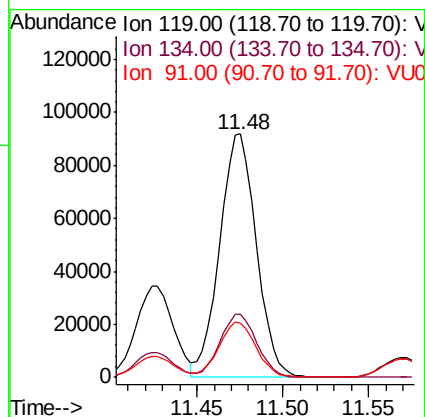
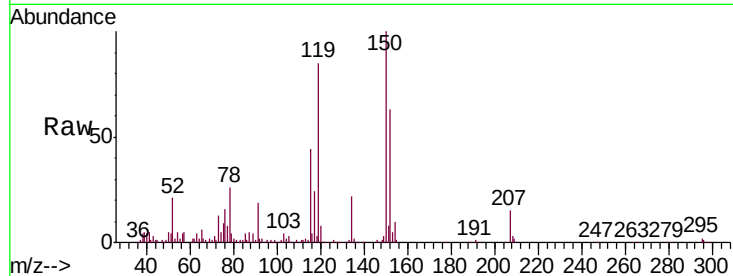
#86
p-Isopropyltoluene
Concen: 15.496 ug/l
RT: 11.48 min Scan# 3204
Delta R.T. 0.00 min
Lab File: VU028925.D
Acq: 22 Dec 2018 19:26

Instrument :
MSVOA_U
ClientSampleId :
P001-SS013A-3036-01ME

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.7	38.1
91	22.6	12.6	37.6

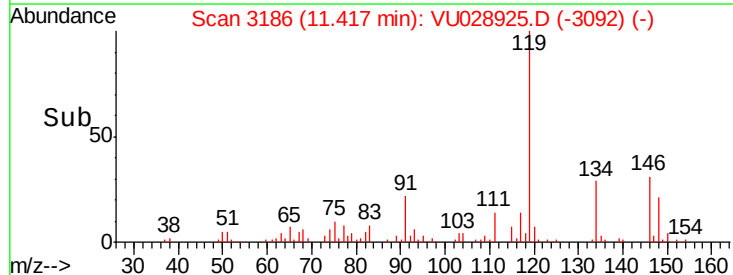
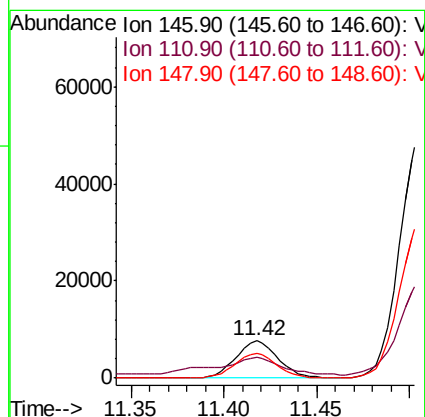
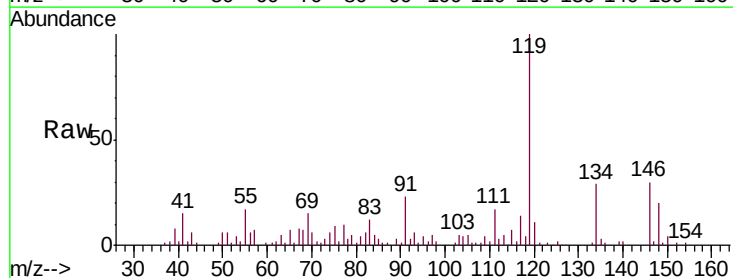
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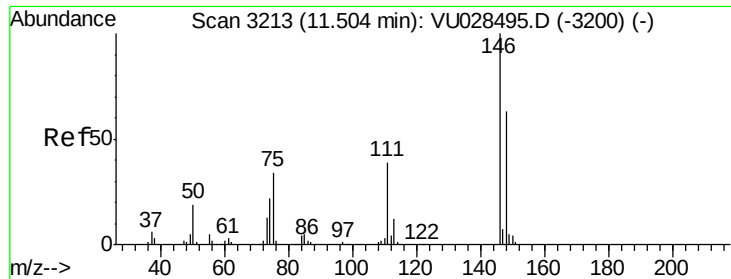
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#87
1,3-Dichlorobenzene
Concen: 2.666 ug/l
RT: 11.42 min Scan# 3186
Delta R.T. 0.00 min
Lab File: VU028925.D
Acq: 22 Dec 2018 19:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.4	20.7	62.1
148	66.1	31.9	95.7





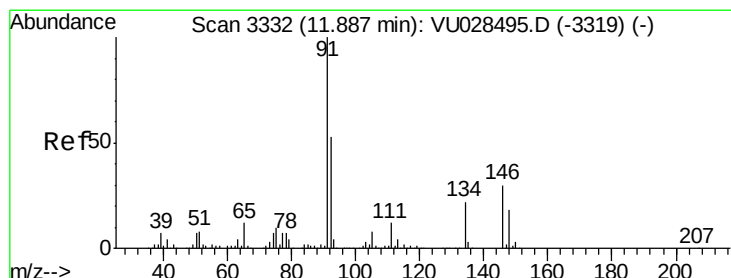
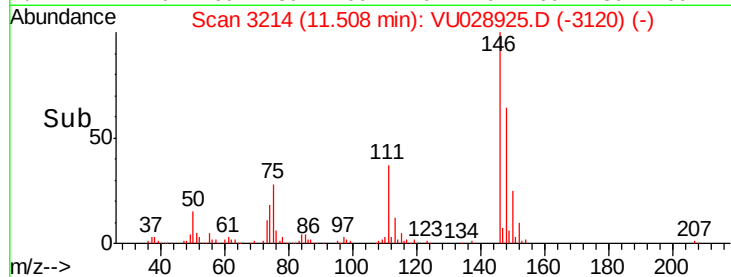
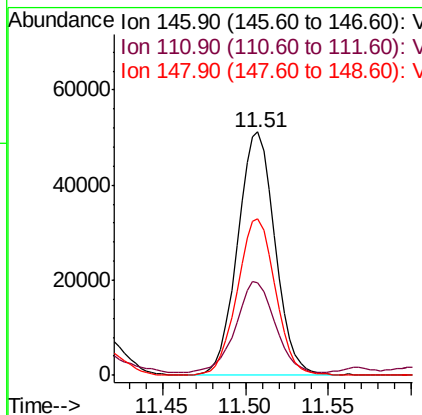
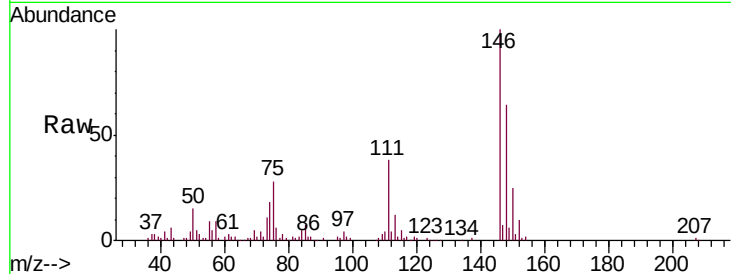
#88
 1,4-Dichlorobenzene
 Concen: 17.303 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028925.D
 Acq: 22 Dec 2018 19:26

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS013A-3036-01ME

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.2	60.5
148	65.7	31.6	95.0

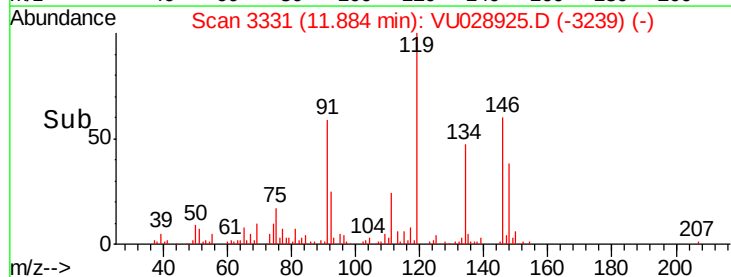
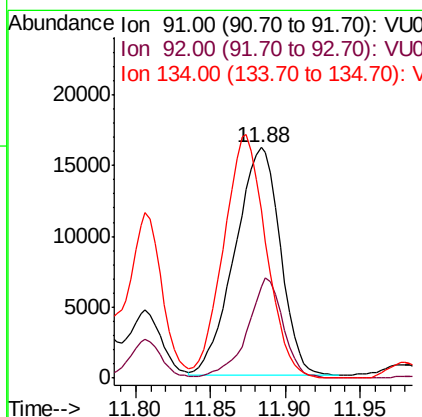
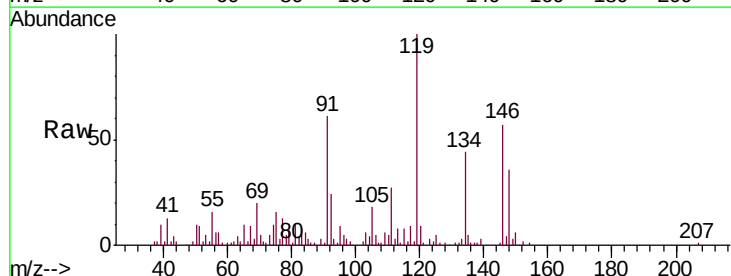
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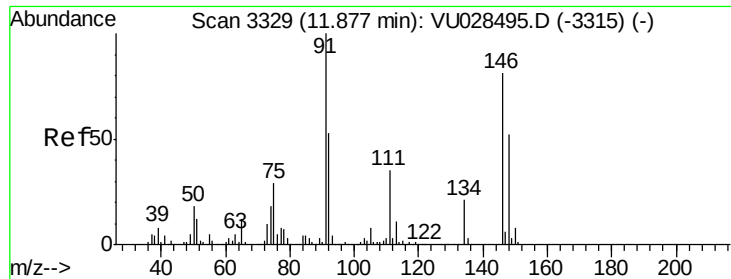
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#89
 n-Butylbenzene
 Concen: 3.784 ug/l
 RT: 11.88 min Scan# 3331
 Delta R.T. -0.00 min
 Lab File: VU028925.D
 Acq: 22 Dec 2018 19:26

Tgt Ion	Ratio	Lower	Upper
91	100		
92	34.8	26.3	78.9
134	100.3	11.3	33.8#





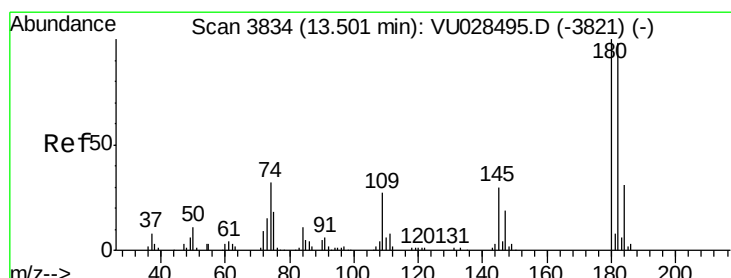
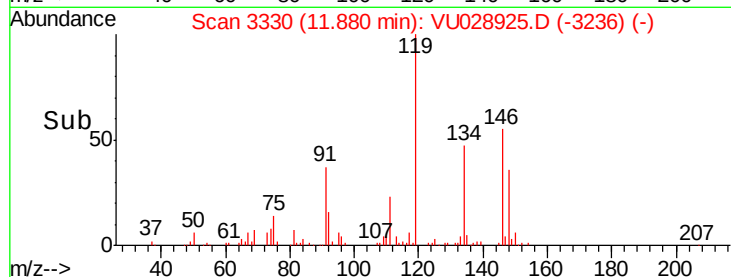
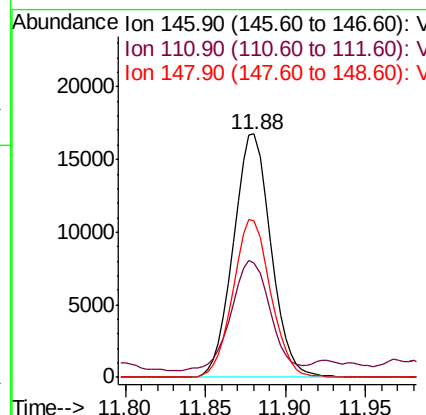
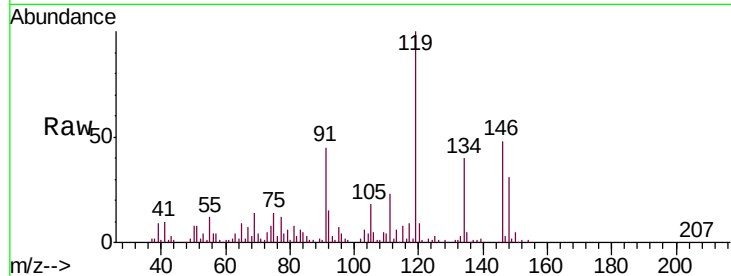
#91
1,2-Dichlorobenzene
Concen: 5.985 ug/l
RT: 11.88 min Scan# 3330
Delta R.T. 0.00 min
Lab File: VU028925.D
Acq: 22 Dec 2018 19:26

Instrument :
MSVOA_U
ClientSampleId :
P001-SS013A-3036-01ME

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	26888		
111	46.4	21.1	63.4	
148	64.9	31.4	94.2	

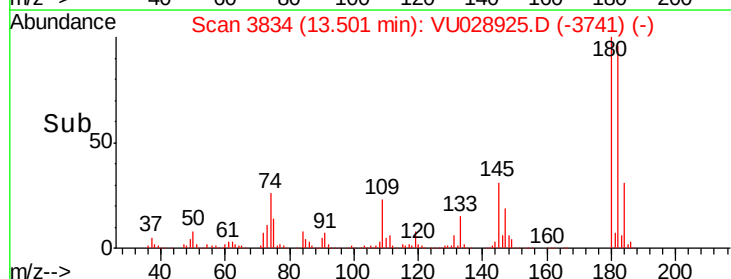
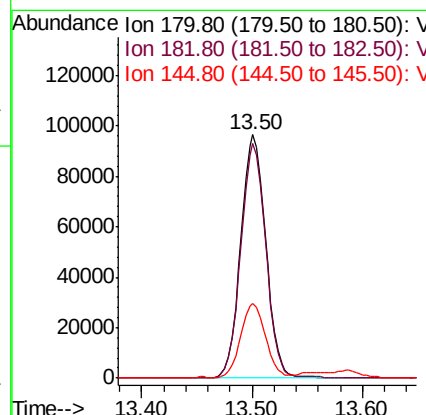
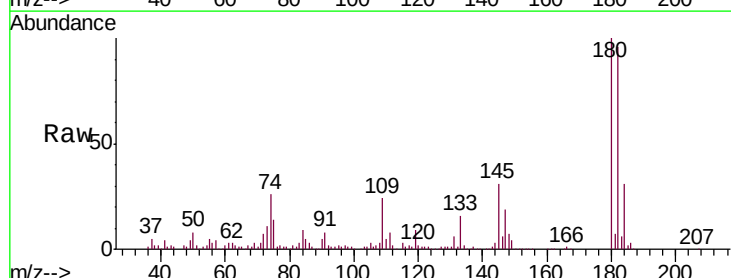
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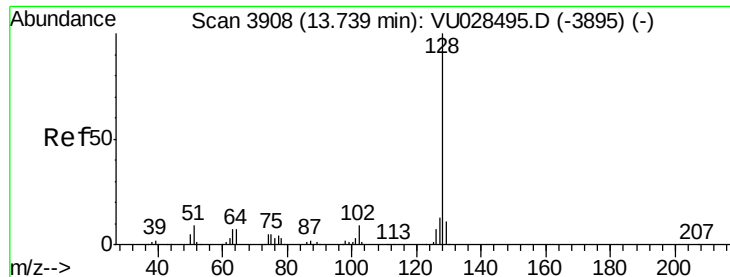
MMDadoda
12/24/2018 11:49:09 AM



#93
1,2,4-Trichlorobenzene
Concen: 49.333 ug/l
RT: 13.50 min Scan# 3834
Delta R.T. 0.00 min
Lab File: VU028925.D
Acq: 22 Dec 2018 19:26

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	152266		
182	96.1	47.9	143.8	
145	29.9	15.0	45.1	





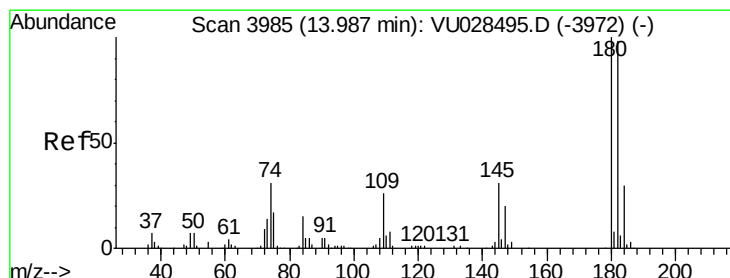
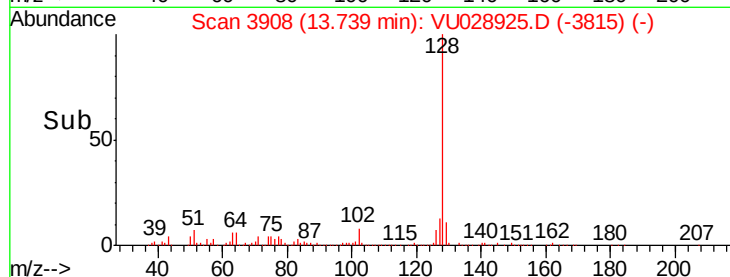
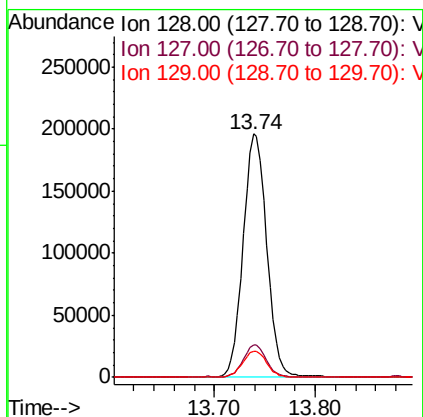
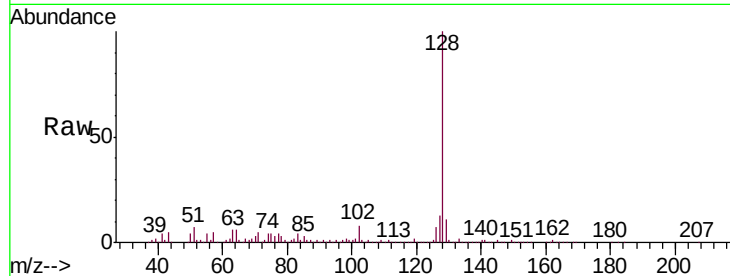
#95
Naphthalene
Concen: 29.349 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. -0.00 min
Lab File: VU028925.D
Acq: 22 Dec 2018 19:26

Instrument :
MSVOA_U
ClientSampleId :
P001-SS013A-3036-01ME

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.4	15.6
129	10.9	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 27.352 ug/l
RT: 13.98 min Scan# 3984
Delta R.T. -0.00 min
Lab File: VU028925.D
Acq: 22 Dec 2018 19:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.2	144.6
145	39.9	15.8	47.3

