

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120919\
 Data File : VL034481.D
 Acq On : 10 Dec 2019 2:06
 Operator : SY/AP
 Sample : K6181-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 1A-1DL

Manual Integrations
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Quant Time: Dec 10 07:19:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	949544	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1876826	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	1885957	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.47	95	1616252	10.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.98	41	19587	0.372	ppbv	98
13) Ethanol	3.59	45	33655m	2.297	ppbv	
15) Acetone	3.84	43	100192	0.737	ppbv #	89
19) Isopropyl Alcohol	3.97	45	32212m	0.370	ppbv	
20) Methylene Chloride	4.34	84	10932	0.227	ppbv	91
26) Hexane	5.69	57	18070m	0.173	ppbv	
36) Benzene	6.91	78	29555m	0.158	ppbv	
53) Toluene	9.84	91	74766m	0.351	ppbv	
58) Ethyl Benzene	12.75	91	28517m	0.097	ppbv	
59) m/p-Xylene	13.02	91	73202m	0.289	ppbv	
60) o-Xylene	13.74	91	27199m	0.109	ppbv	
74) 1,2,4-Trimethylbenzene	16.83	105	44876m	0.149	ppbv	

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

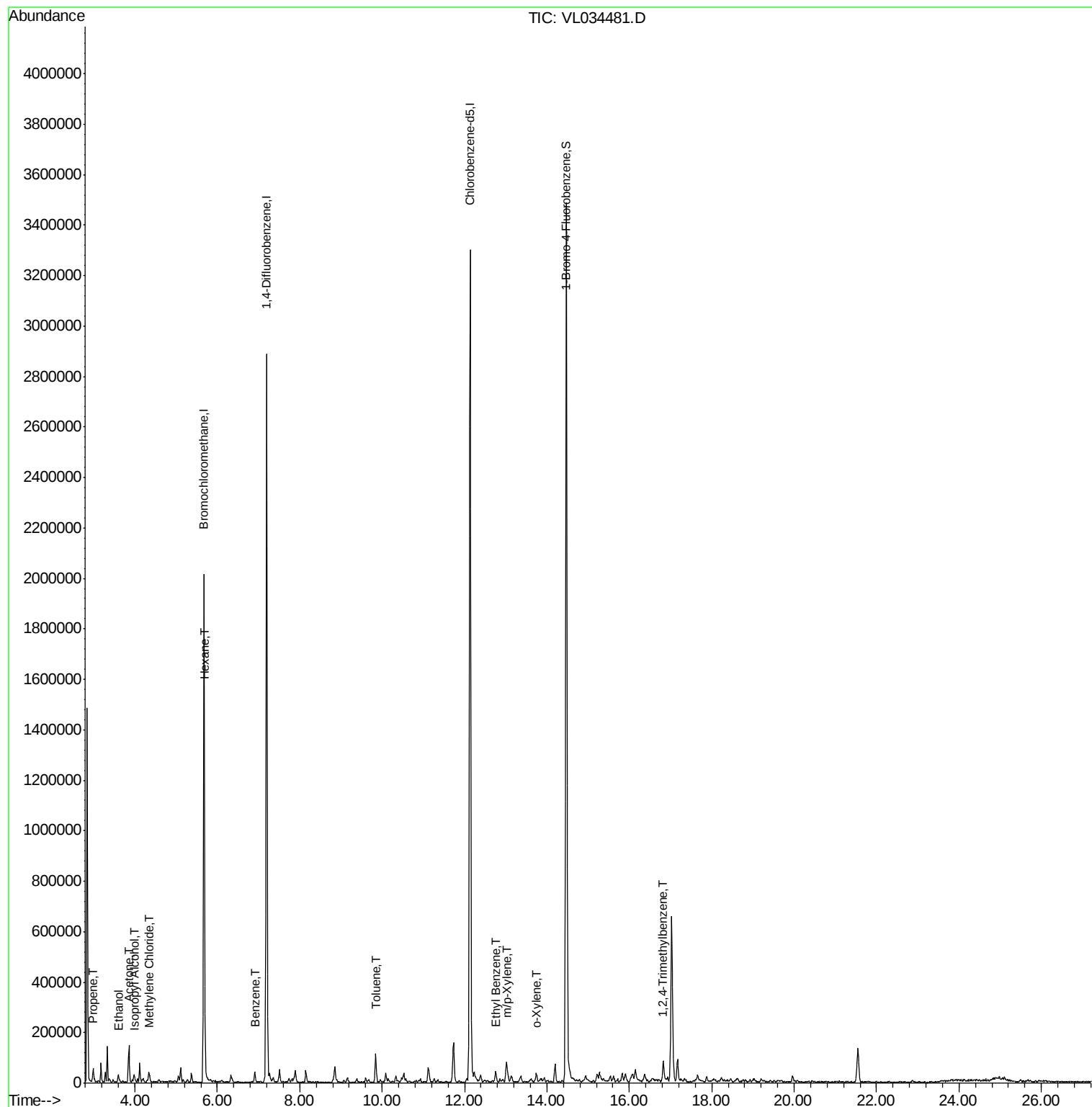
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL120919\
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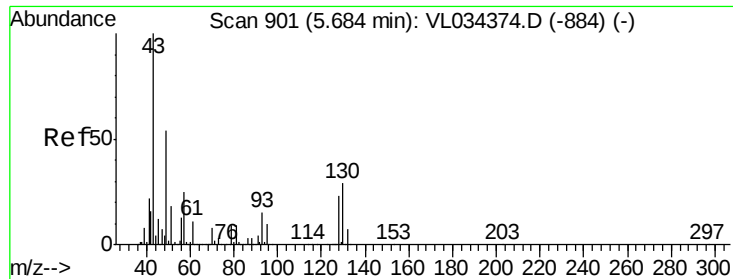
Instrument :
MSVOA_L
ClientSampleId :
1A-1DL

Manual Integrations
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Quant Time: Dec 10 07:19:14 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL034481.D

Acq: 10 Dec 2019 2:06

Instrument :

MSVOA_L

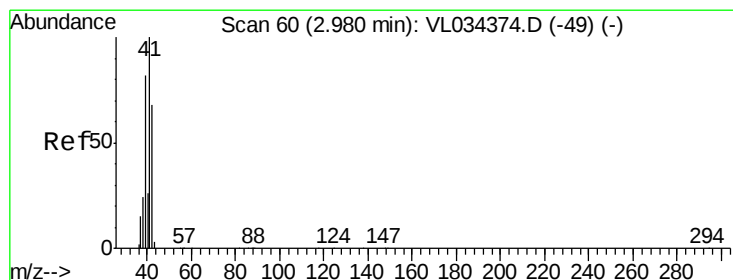
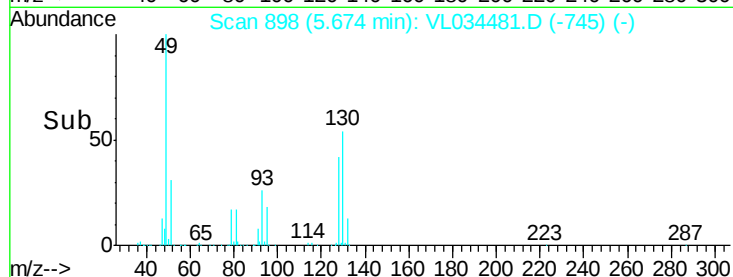
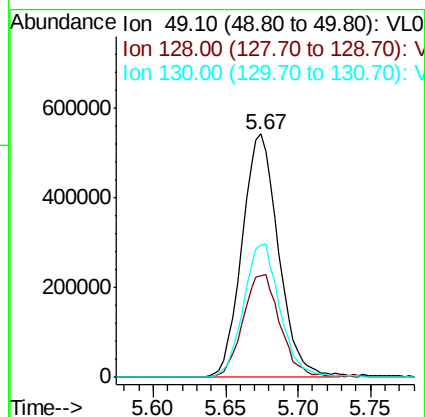
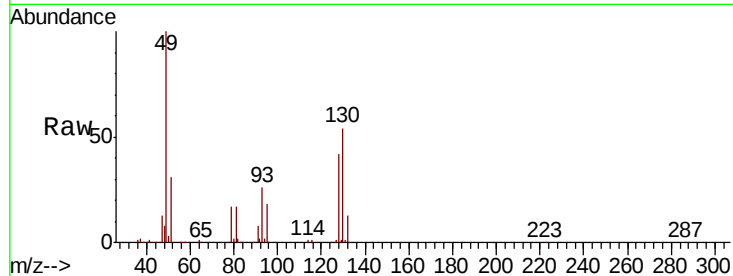
ClientSampled :

1A-1DL

Tot Ion:	49	Resp:	949544
Ion Ratio	Lower	Upper	
49	100		
128	43.8	21.8	65.3
130	55.3	28.0	84.0

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#9

Propene

Concen: 0.372 ppbv

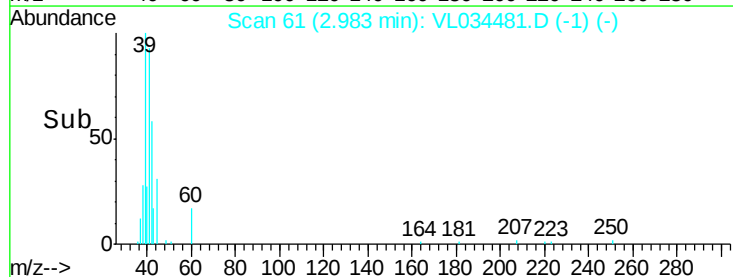
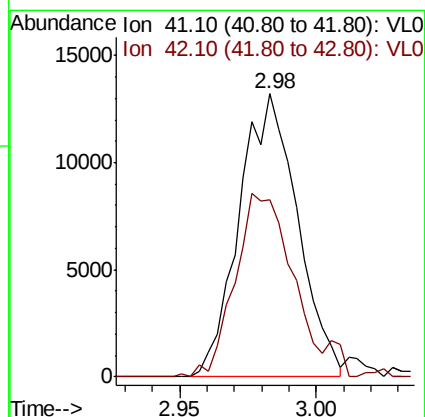
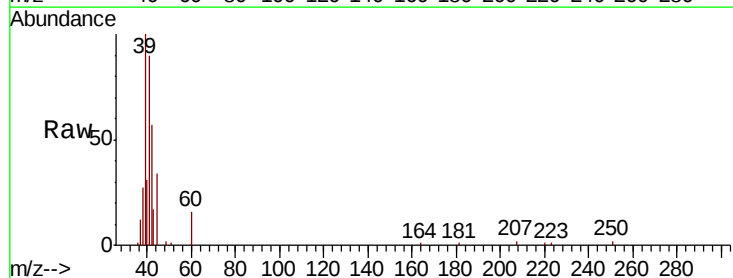
RT: 2.98 min Scan# 61

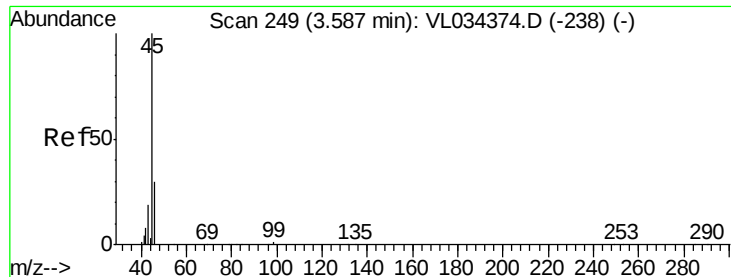
Delta R.T. 0.00 min

Lab File: VL034481.D

Acq: 10 Dec 2019 2:06

Tgt Ion:	41	Resp:	19587
Ion Ratio	Lower	Upper	
41	100		
42	66.9	54.6	82.0





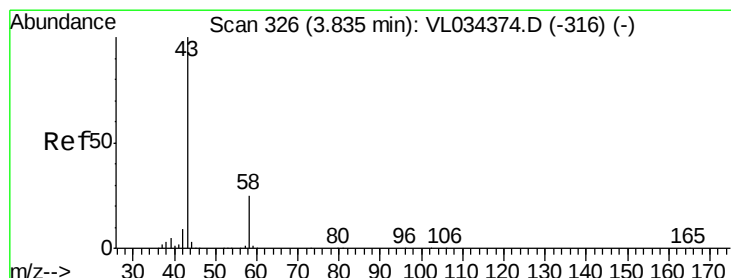
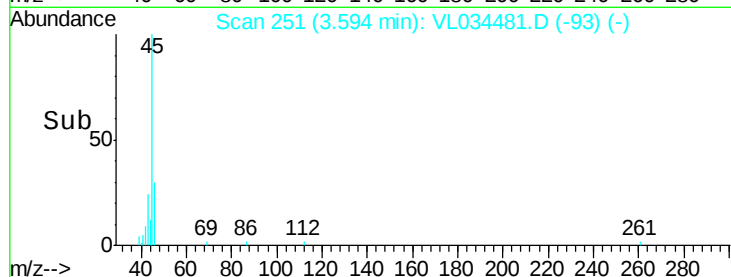
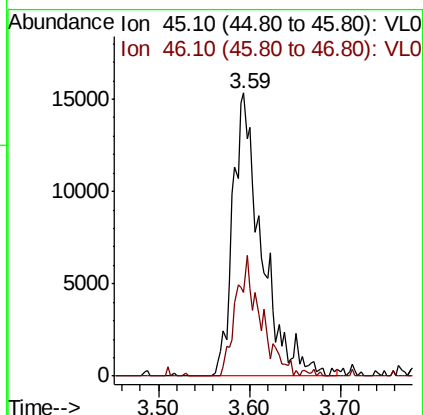
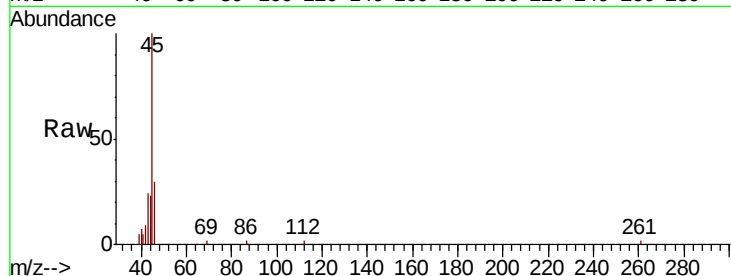
#13
Ethanol
Concen: 2.297 ppbv m
RT: 3.59 min Scan# 251
Delta R.T. 0.01 min
Lab File: VL034481.D
Acq: 10 Dec 2019 2:06

Instrument :
MSVOA_L
ClientSampled :
1A-1DL

Tot Ion	Ratio	Lower	Upper
45	100		
46	0.0	13.8	55.4#

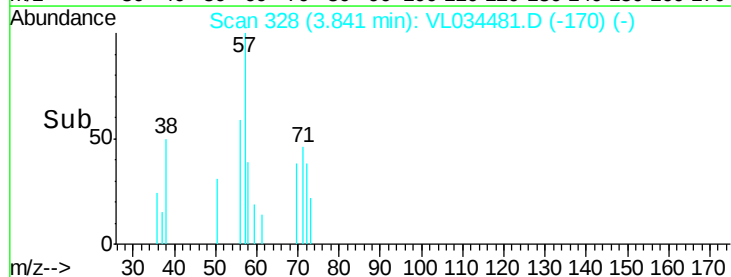
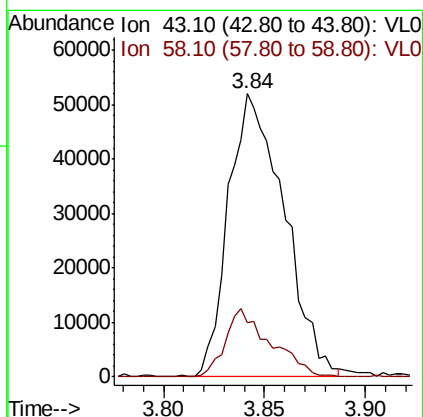
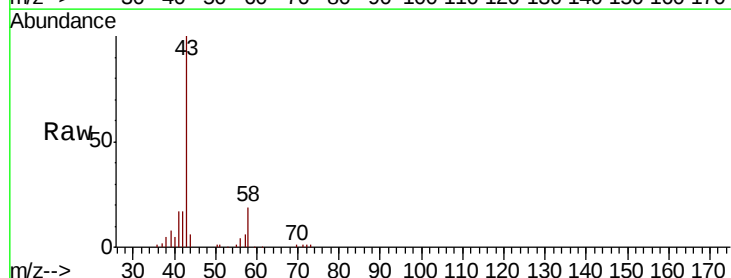
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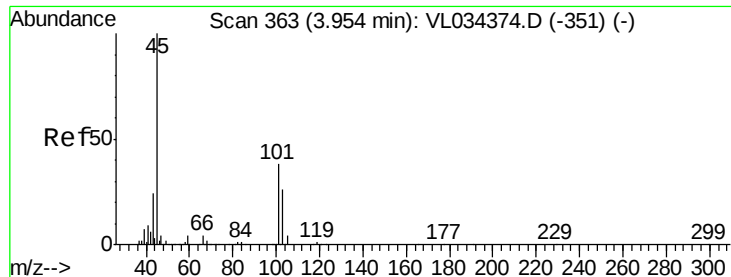
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#15
Acetone
Concen: 0.737 ppbv
RT: 3.84 min Scan# 328
Delta R.T. 0.01 min
Lab File: VL034481.D
Acq: 10 Dec 2019 2:06

Tgt Ion	Ratio	Lower	Upper
43	100		
58	19.8	20.2	30.4#





#19

Isopropyl Alcohol

Concen: 0.370 ppbv m

RT: 3.97 min Scan# 369

Delta R.T. 0.02 min

Lab File: VL034481.D

Acq: 10 Dec 2019 2:06

Instrument :

MSVOA_L

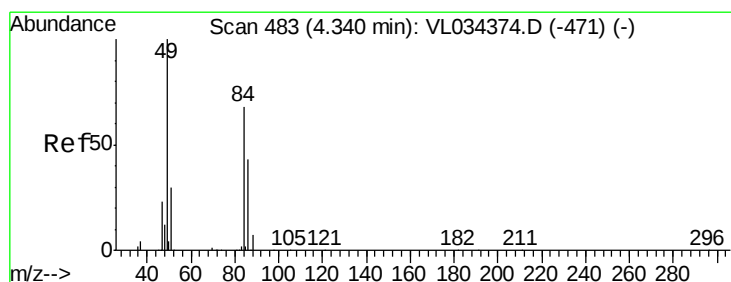
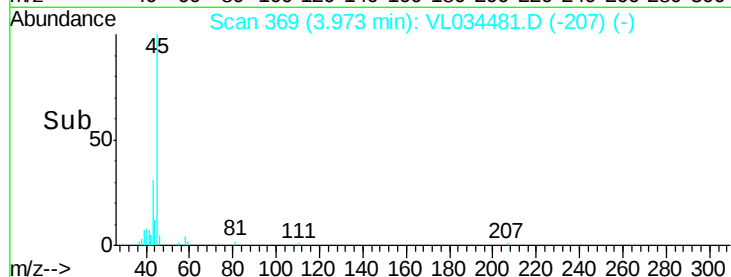
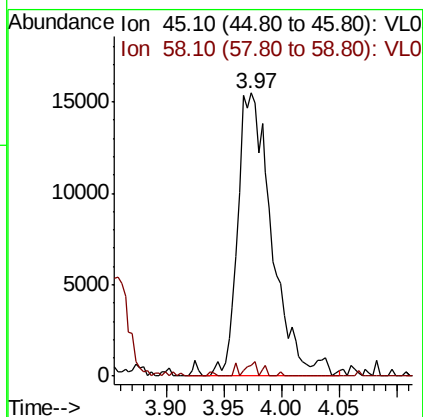
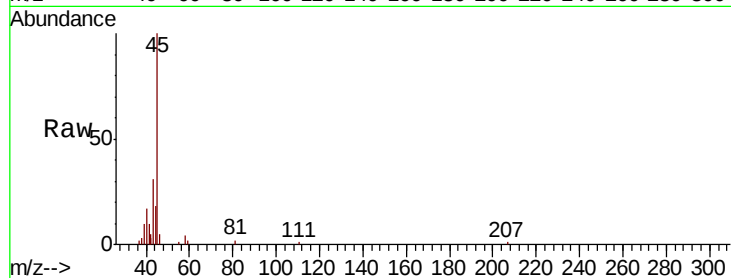
ClientSampled :

1A-1DL

Tot Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.3	1.9#

Manual Integrations
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#20

Methylene Chloride

Concen: 0.227 ppbv

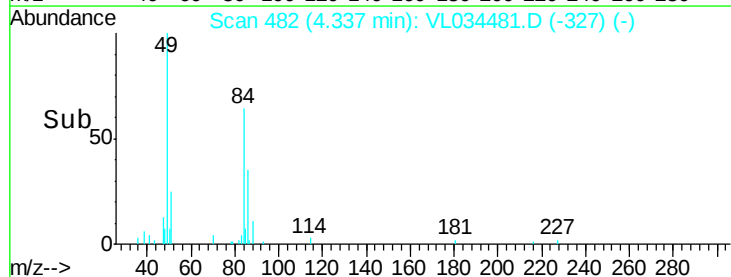
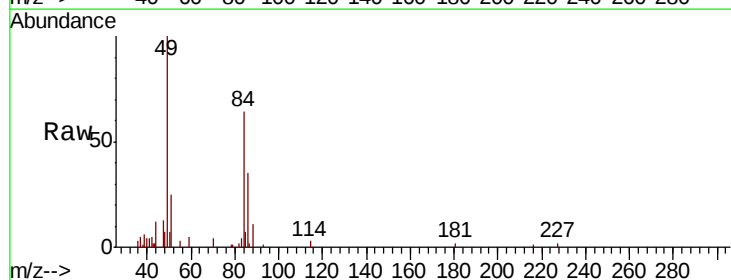
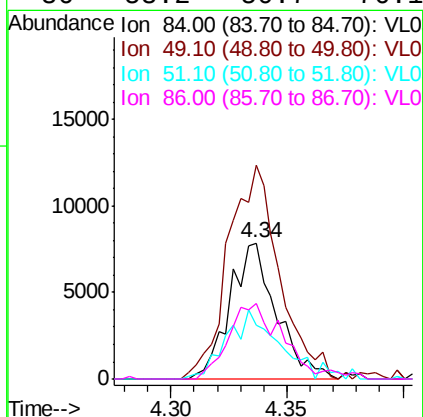
RT: 4.34 min Scan# 482

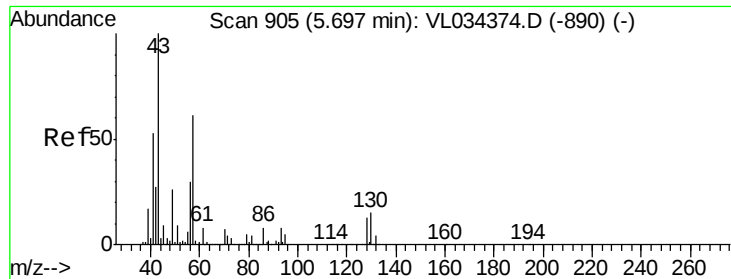
Delta R.T. -0.00 min

Lab File: VL034481.D

Acq: 10 Dec 2019 2:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	157.4	116.8	175.2
51	37.4	35.6	53.4
86	58.2	50.7	76.1





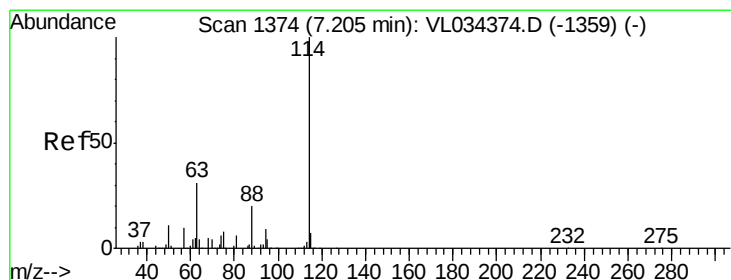
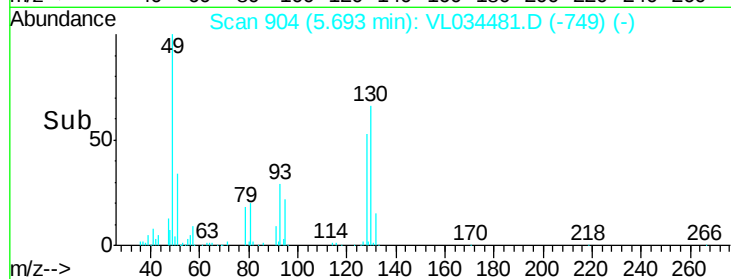
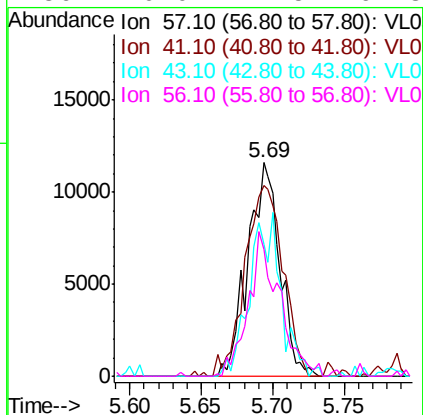
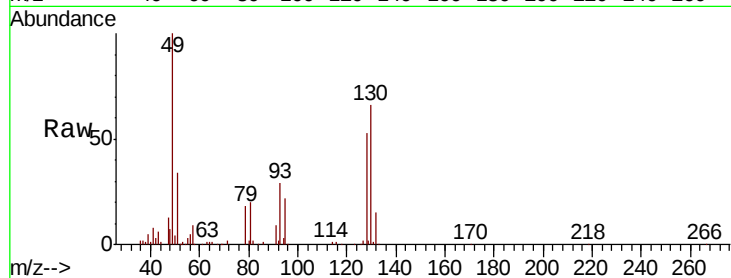
#26
Hexane
Concen: 0.173 ppbv m
RT: 5.69 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL034481.D
Acq: 10 Dec 2019 2:06

Instrument :
MSVOA_L
ClientSampleId :
1A-1DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	0.0	75.0	112.4#
43	0.0	186.6	279.8#
56	0.0	41.5	62.3#

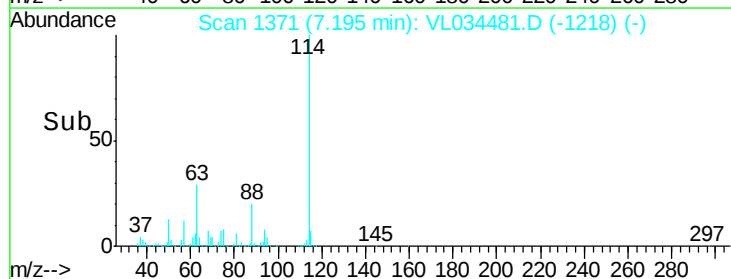
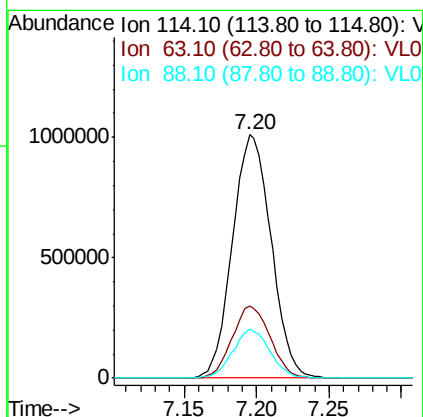
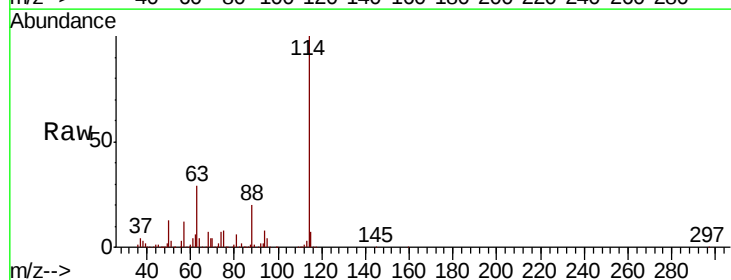
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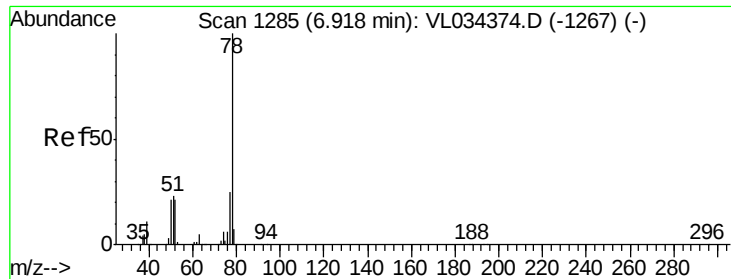
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1371
Delta R.T. -0.01 min
Lab File: VL034481.D
Acq: 10 Dec 2019 2:06

Tgt Ion	Ratio	Lower	Upper
114	100		
63	29.2	24.2	36.4
88	19.3	15.9	23.9





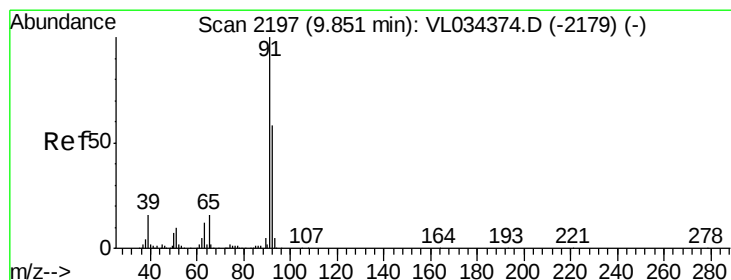
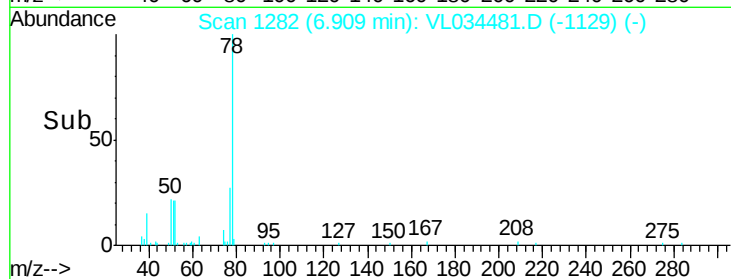
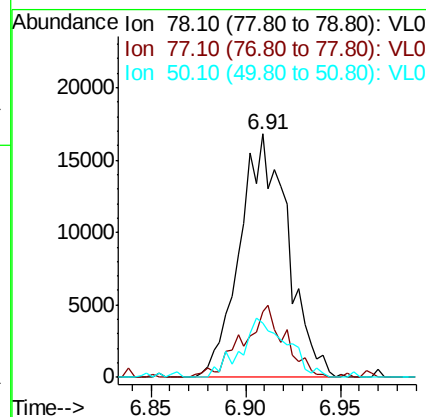
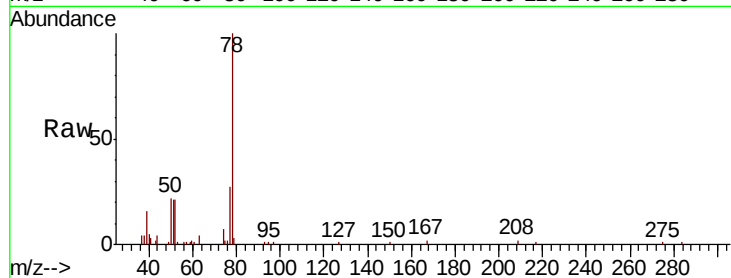
#36
Benzene
Concen: 0.158 ppbv m
RT: 6.91 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VL034481.D
Acq: 10 Dec 2019 2:06

Instrument :
MSVOA_L
ClientSampled :
1A-1DL

Tot Ion	Ratio	Lower	Upper
78	100		
77	27.2	20.2	30.4
50	22.1	17.1	25.7

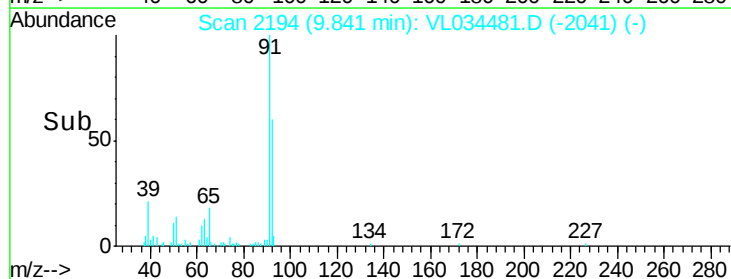
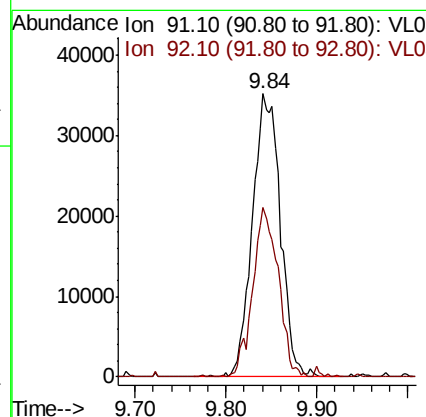
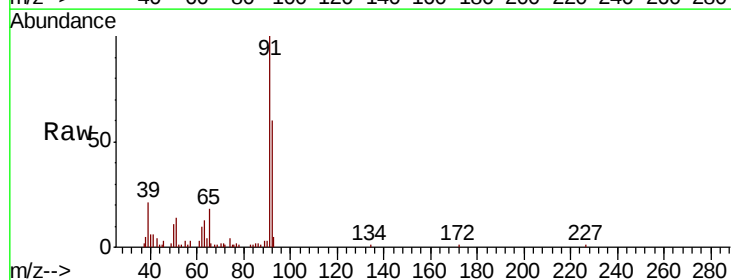
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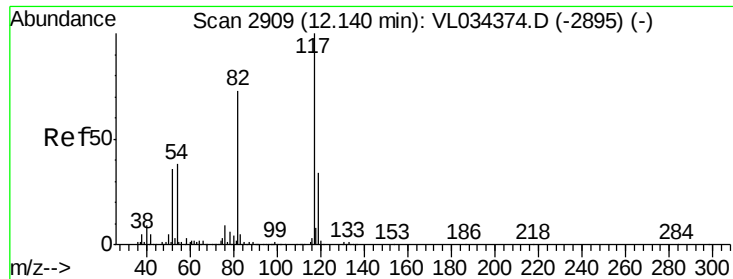
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#53
Toluene
Concen: 0.351 ppbv m
RT: 9.84 min Scan# 2194
Delta R.T. -0.01 min
Lab File: VL034481.D
Acq: 10 Dec 2019 2:06

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.1	47.9	71.9





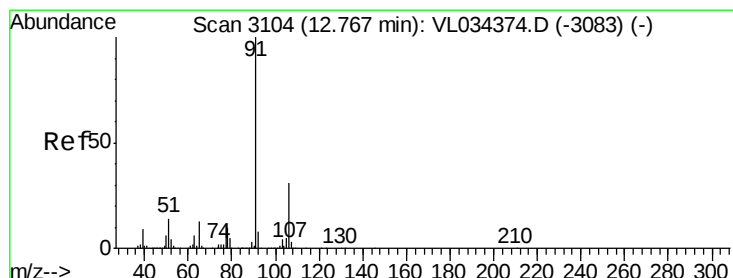
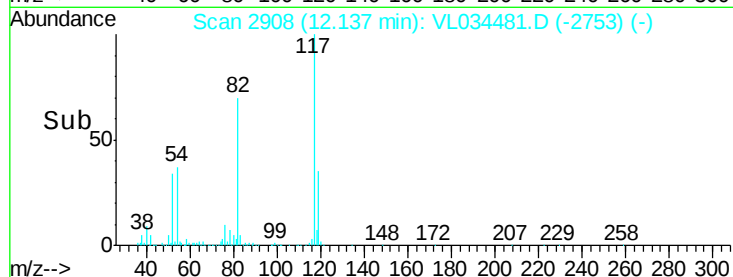
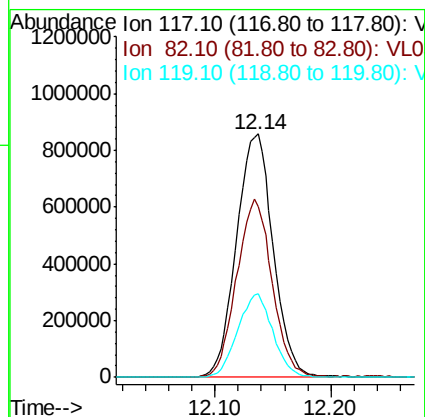
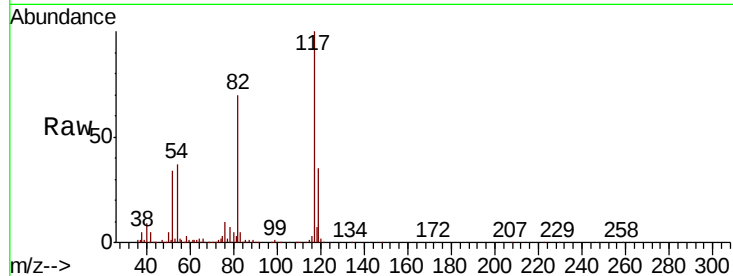
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VL034481.D
Acq: 10 Dec 2019 2:06

Instrument :
MSVOA_L
ClientSampled :
1A-1DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	70.9	57.5	86.3
119	32.9	25.4	38.2

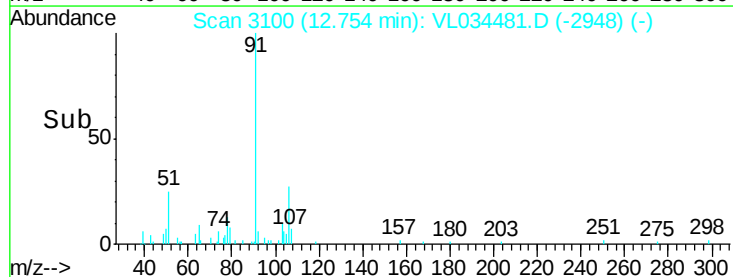
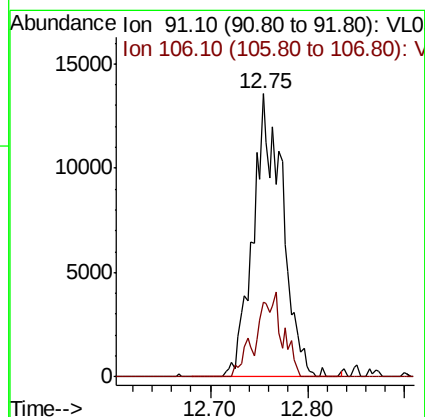
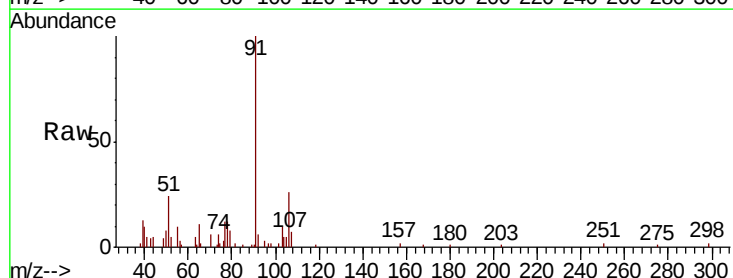
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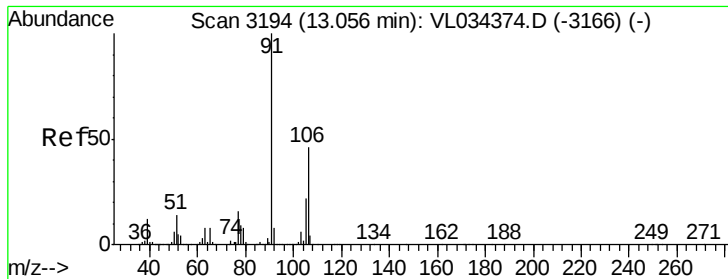
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#58
Ethyl Benzene
Concen: 0.097 ppbv m
RT: 12.75 min Scan# 3100
Delta R.T. -0.01 min
Lab File: VL034481.D
Acq: 10 Dec 2019 2:06

Tgt Ion	Ratio	Lower	Upper
91	100		
106	26.5	24.8	37.2





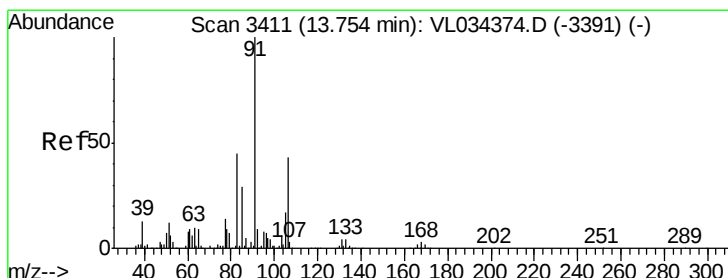
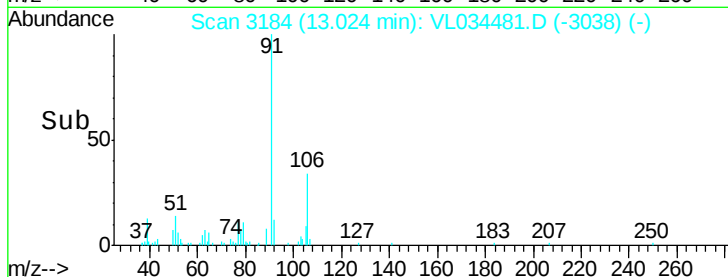
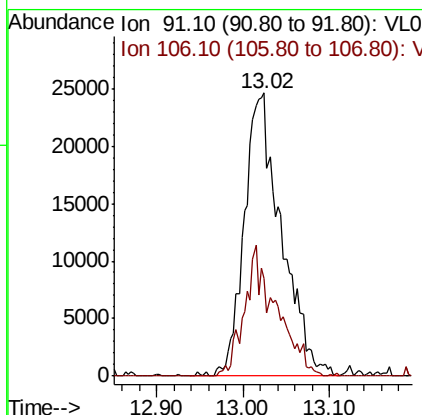
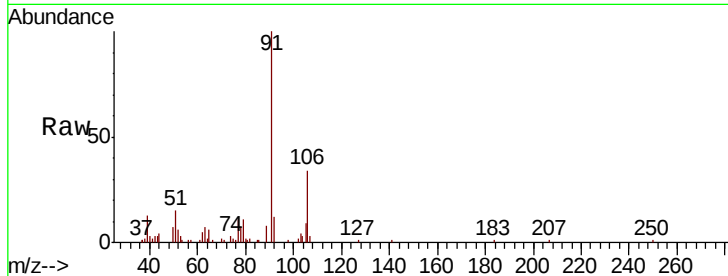
#59
m/p-Xylene
Concen: 0.289 ppbv m
RT: 13.02 min Scan# 3184
Delta R.T. -0.03 min
Lab File: VL034481.D
Acq: 10 Dec 2019 2:06

Instrument :
MSVOA_L
ClientSampled :
1A-1DL

Tot Ion: 91 Resp: 73202
Ion Ratio Lower Upper
91 100
106 0.0 34.6 51.8#

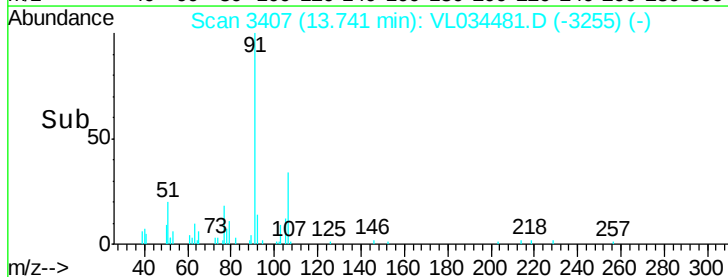
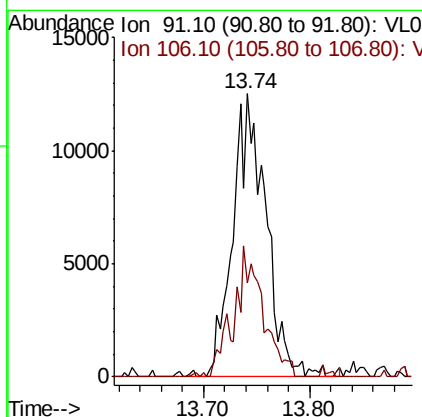
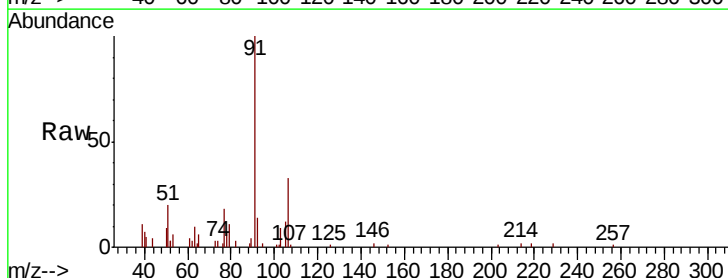
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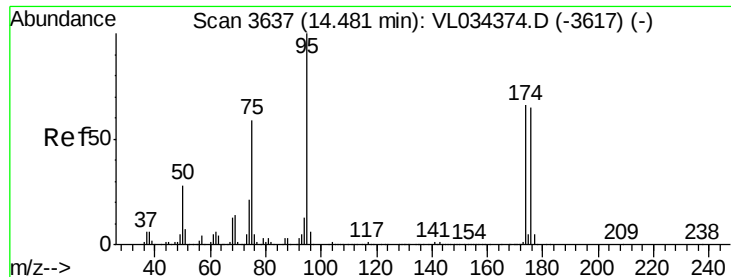
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#60
o-Xylene
Concen: 0.109 ppbv m
RT: 13.74 min Scan# 3407
Delta R.T. -0.01 min
Lab File: VL034481.D
Acq: 10 Dec 2019 2:06

Tgt Ion: 91 Resp: 27199
Ion Ratio Lower Upper
91 100
106 0.0 21.3 64.0#





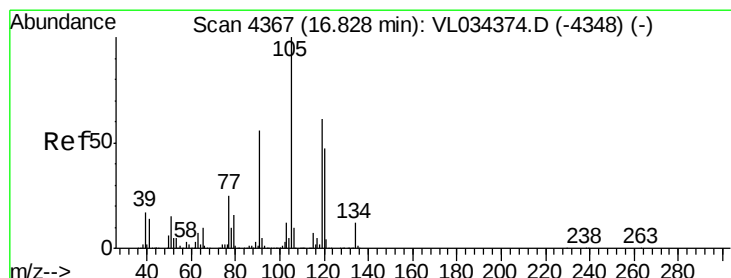
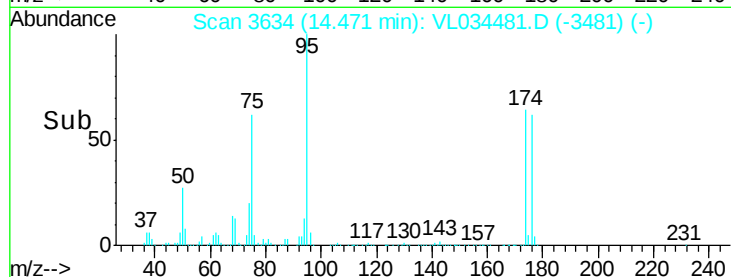
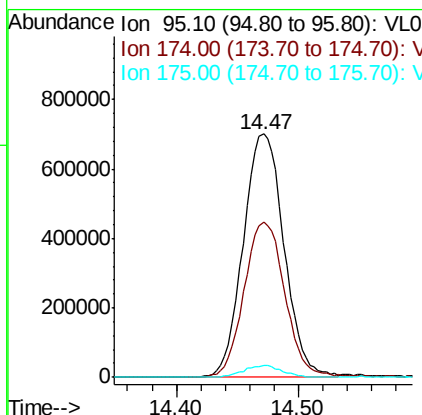
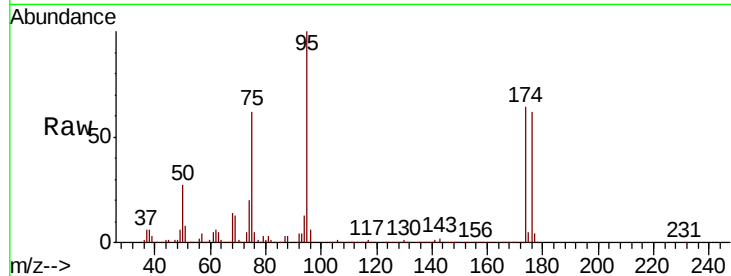
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.187 ppbv
 RT: 14.47 min Scan# 3634
 Delta R.T. -0.01 min
 Lab File: VL034481.D
 Acq: 10 Dec 2019 2:06

Instrument :
 MSVOA_L
 ClientSampleId :
 1A-1DL

Tot Ion: 95 Resp: 1616252
 Ion Ratio Lower Upper
 95 100
 174 64.7 52.2 78.2
 175 4.8 3.8 5.8

Manual Integrations
 APPROVED

apatel
 12/11/2019 2:13:03 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.149 ppbv m
 RT: 16.83 min Scan# 4367
 Delta R.T. 0.00 min
 Lab File: VL034481.D
 Acq: 10 Dec 2019 2:06

Tgt Ion: 105 Resp: 44876
 Ion Ratio Lower Upper
 105 100
 120 42.2 37.4 56.0
 91 12.6 46.3 69.5#
 77 11.0 20.6 30.8#

