

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112519\
 Data File : VL034418.D
 Acq On : 25 Nov 2019 22:56
 Operator : SY/AP
 Sample : K5971-06DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 6DL

Manual Integrations
 APPROVED

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 12/2/2019 10:04:43 AM

Quant Time: Nov 26 04:33:49 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	841246	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1681752	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	1646269	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1397850	10.09	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	6664m	0.143	ppbv	
13) Ethanol	3.58	45	317584	24.466	ppbv	94
15) Acetone	3.84	43	148310	1.231	ppbv	97
20) Methylene Chloride	4.33	84	12580m	0.295	ppbv	
26) Hexane	5.69	57	10155m	0.110	ppbv	
53) Toluene	9.84	91	34799m	0.182	ppbv	

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

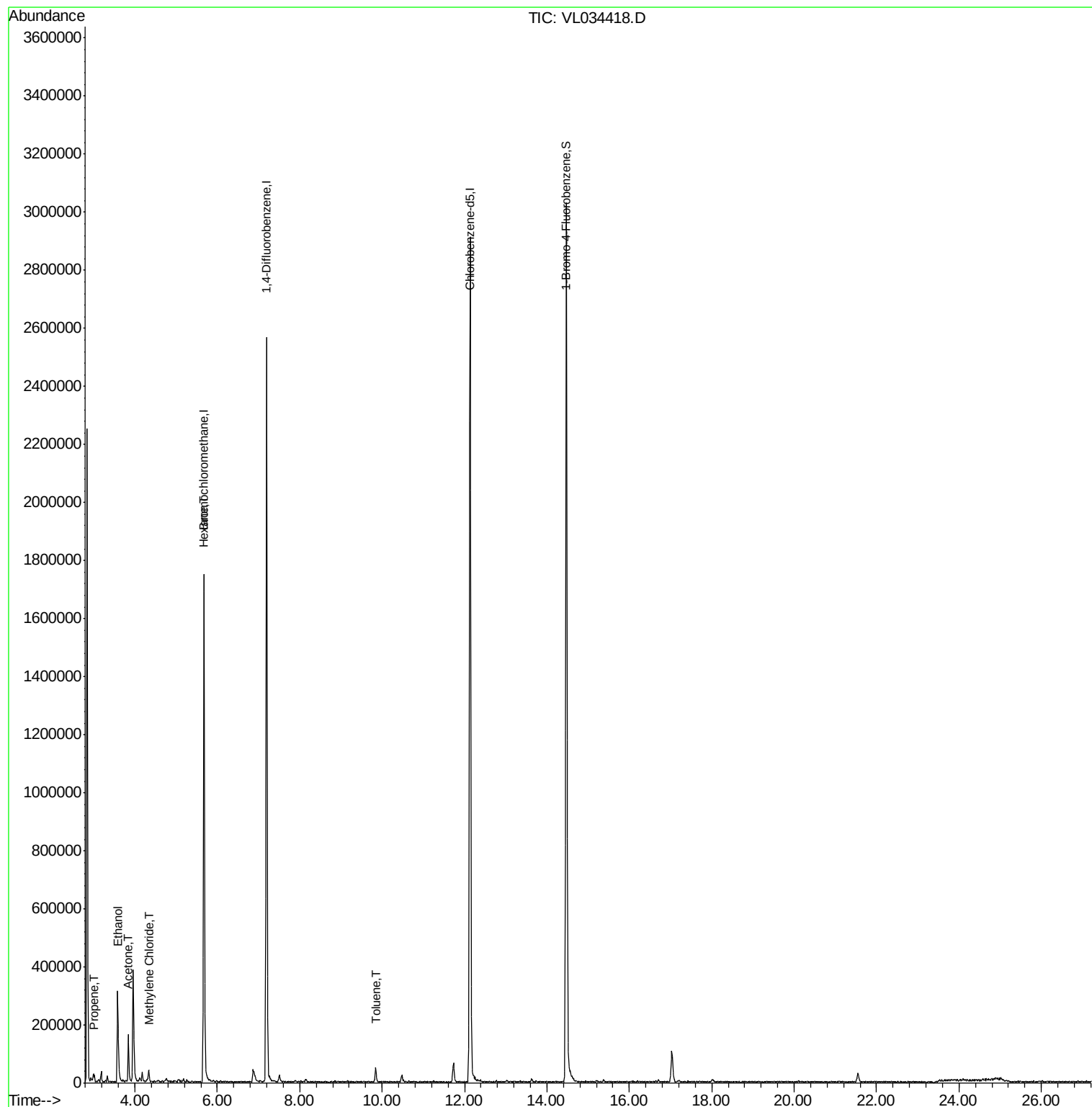
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL112519\
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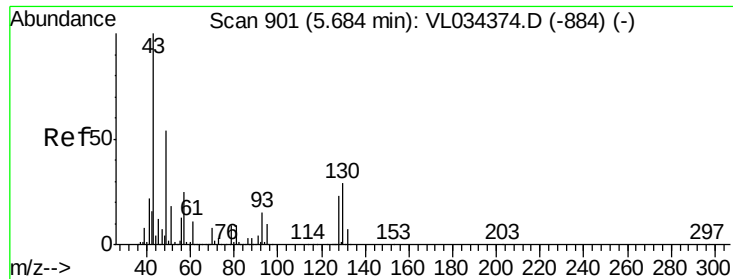
Instrument :
MSVOA_L
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
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QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL034418.D

Acq: 25 Nov 2019 22:56

Instrument :

MSVOA_L

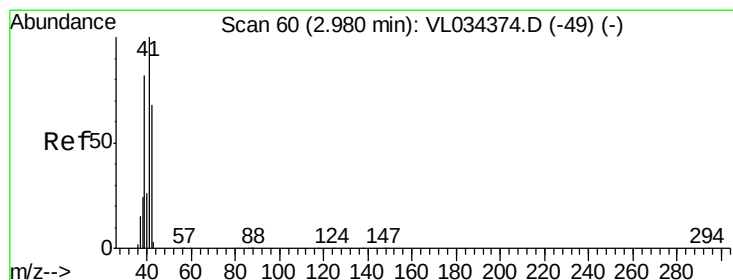
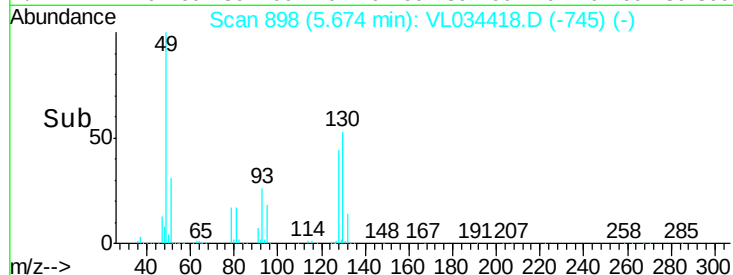
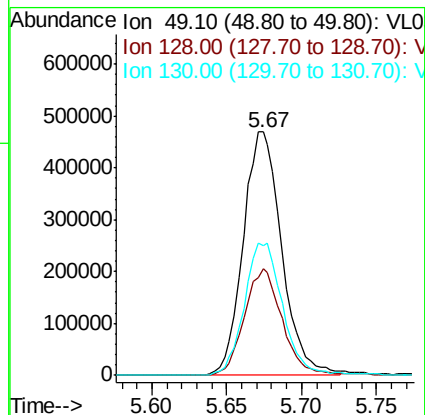
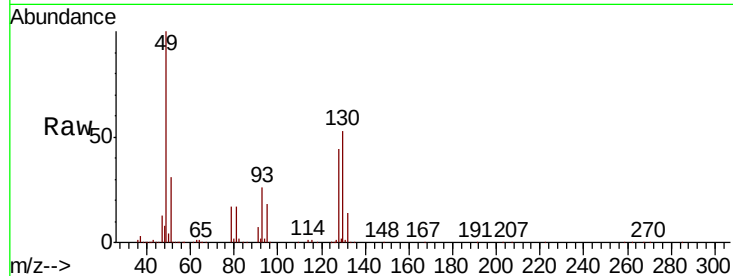
ClientSampled :

6DL

Tot Ion:	49	Resp:	841246
Ion Ratio	Lower	Upper	
49	100		
128	43.4	21.8	65.3
130	55.0	28.0	84.0

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#9

Propene

Concen: 0.143 ppbv m

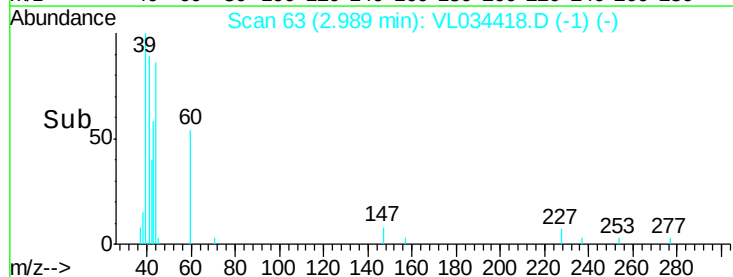
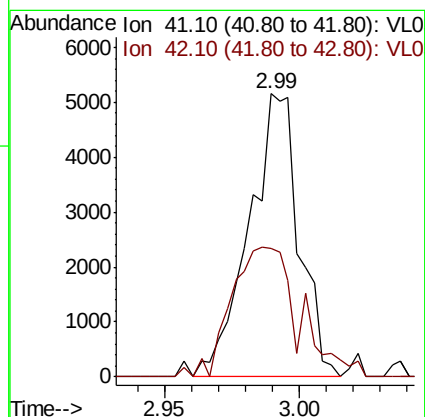
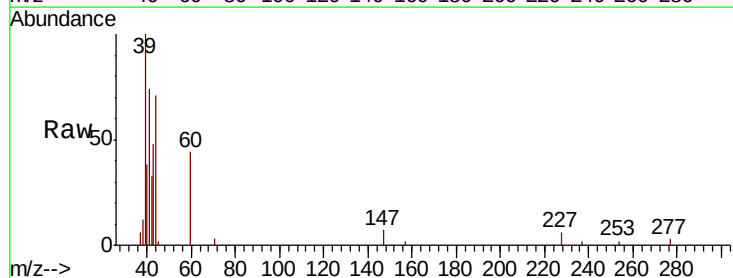
RT: 2.99 min Scan# 63

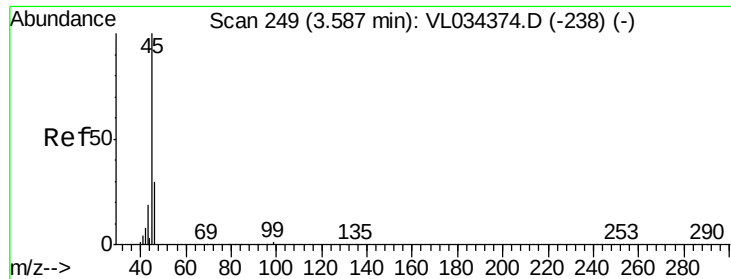
Delta R.T. 0.01 min

Lab File: VL034418.D

Acq: 25 Nov 2019 22:56

Tgt Ion:	41	Resp:	6664
Ion Ratio	Lower	Upper	
41	100		
42	62.0	54.6	82.0





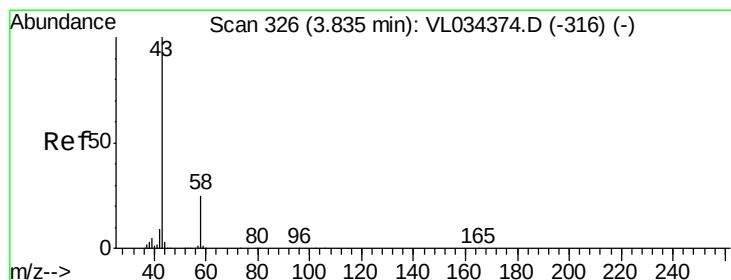
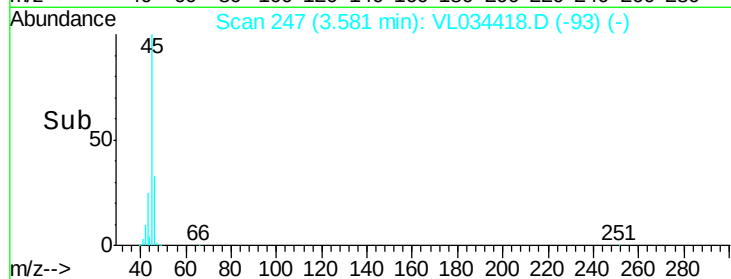
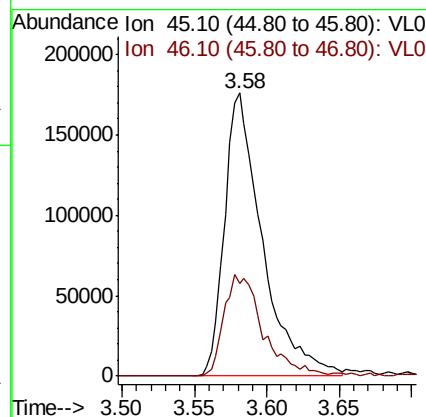
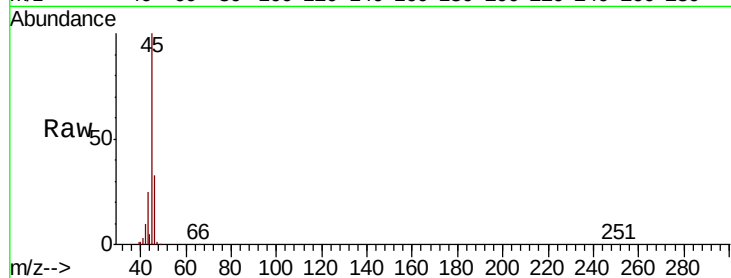
#13
Ethanol
Concen: 24.466 ppbv
RT: 3.58 min Scan# 247
Delta R.T. -0.01 min
Lab File: VL034418.D
Acq: 25 Nov 2019 22:56

Instrument :
MSVOA_L
ClientSampleId :
6DL

Tot Ion	45	Resp	317584
Ion Ratio	100	Lower	Upper
45	100		
46	37.8	13.8	55.4

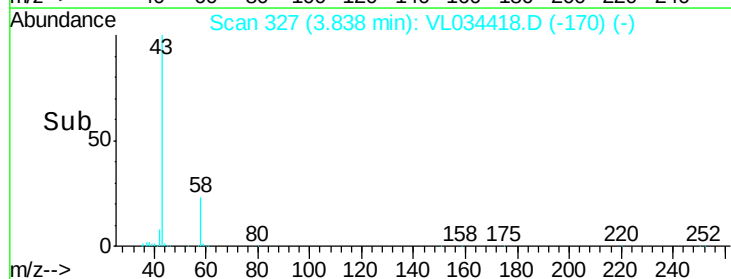
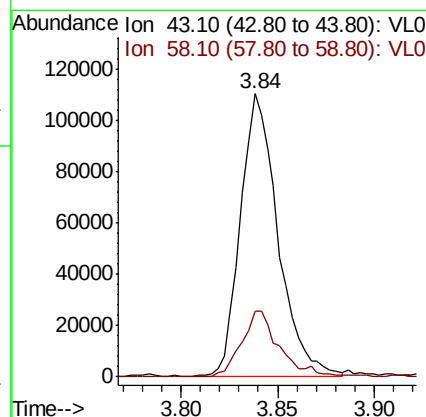
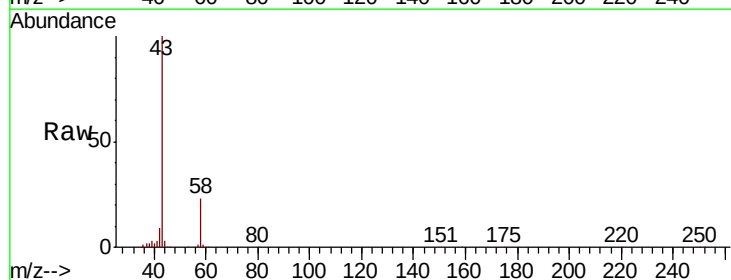
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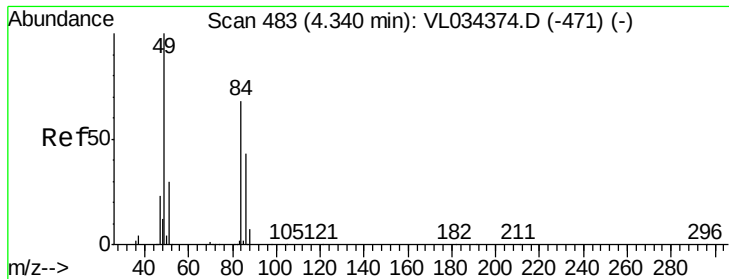
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#15
Acetone
Concen: 1.231 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.00 min
Lab File: VL034418.D
Acq: 25 Nov 2019 22:56

Tgt Ion	43	Resp	148310
Ion Ratio	100	Lower	Upper
43	100		
58	23.8	20.2	30.4





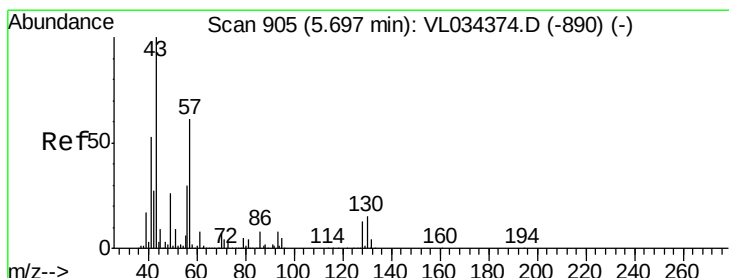
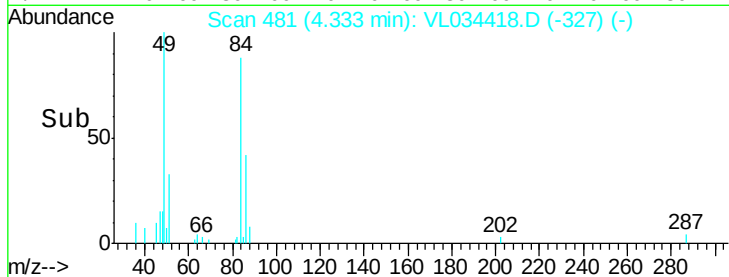
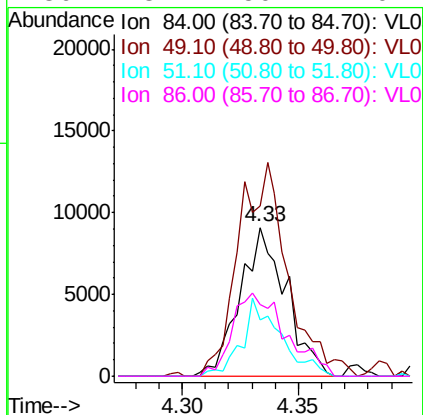
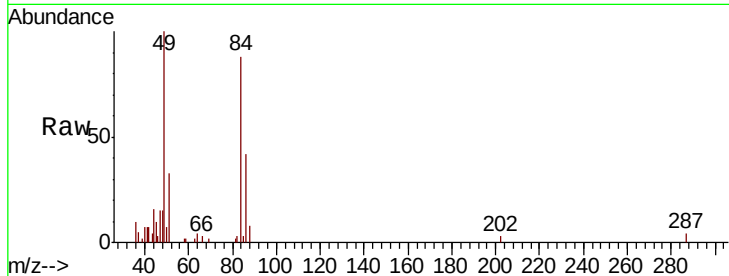
#20
Methvlene Chloride
Concen: 0.295 ppbv m
RT: 4.33 min Scan# 481
Delta R.T. -0.01 min
Lab File: VL034418.D
Acq: 25 Nov 2019 22:56

Instrument :
MSVOA_L
ClientSampleId :
6DL

Tot Ion	Ratio	Lower	Upper
84	100		
49	114.0	116.8	175.2#
51	38.1	35.6	53.4
86	48.2	50.7	76.1#

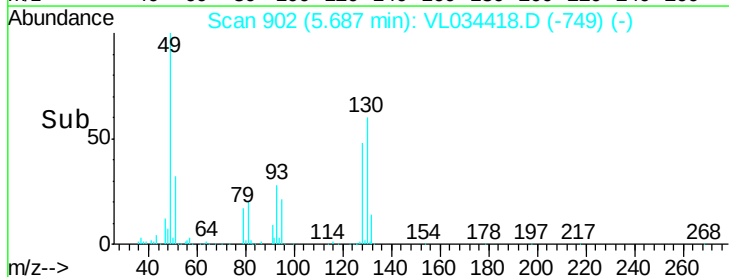
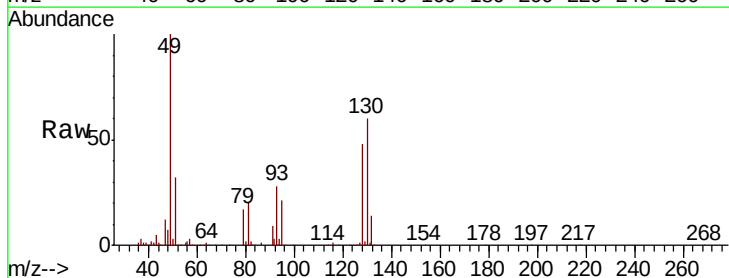
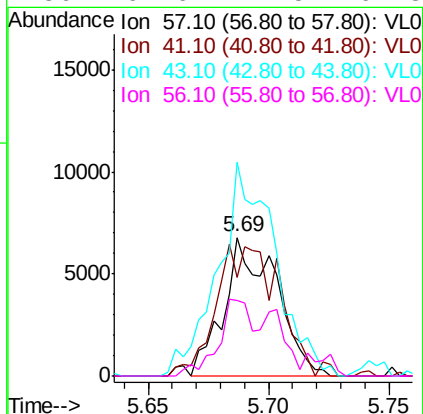
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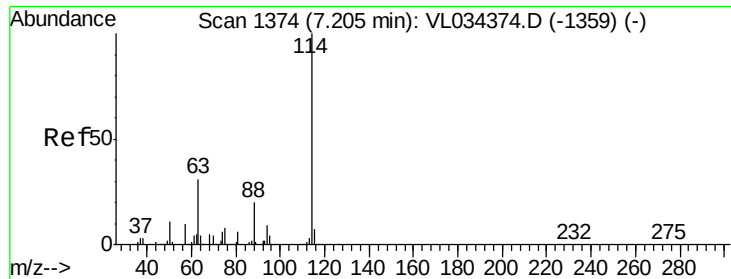
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#26
Hexane
Concen: 0.110 ppbv m
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL034418.D
Acq: 25 Nov 2019 22:56

Tgt Ion	Ratio	Lower	Upper
57	100		
41	115.2	75.0	112.4#
43	167.5	186.6	279.8#
56	64.6	41.5	62.3#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.20 min Scan# 1372

Delta R.T. -0.01 min

Lab File: VL034418.D

Acq: 25 Nov 2019 22:56

Instrument :

MSVOA_L

ClientSampleId :

6DL

Tot Ion:114 Resp: 1681752

Ion Ratio Lower Upper

114 100

63 29.7 24.2 36.4

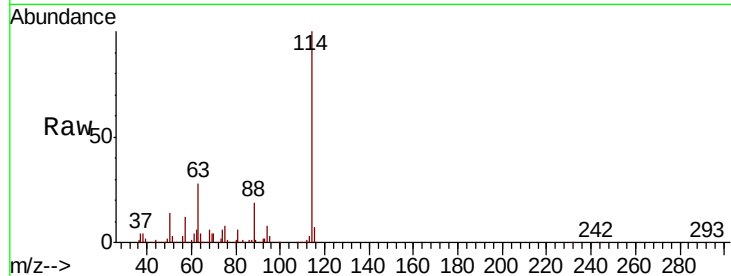
88 19.4 15.9 23.9

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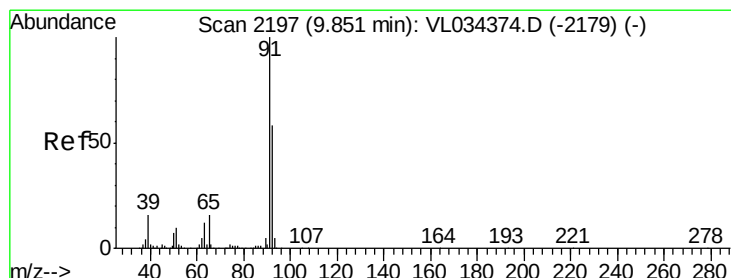
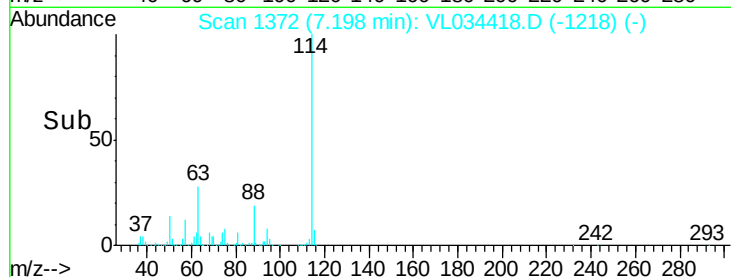
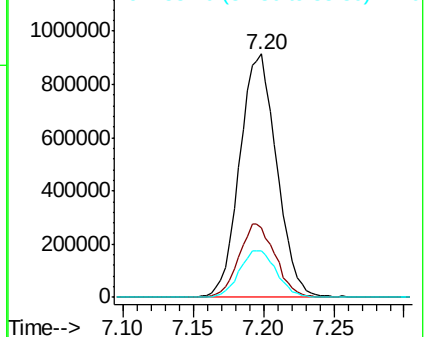
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Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#53

Toluene

Concen: 0.182 ppbv m

RT: 9.84 min Scan# 2195

Delta R.T. -0.01 min

Lab File: VL034418.D

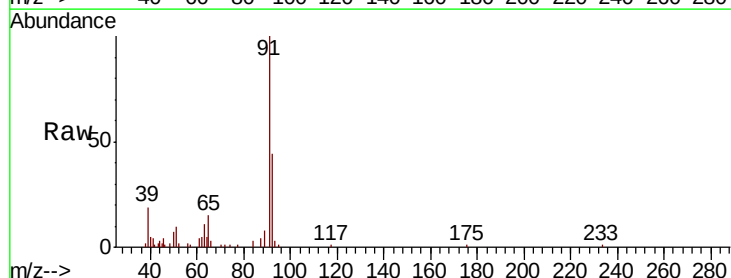
Acq: 25 Nov 2019 22:56

Tgt Ion: 91 Resp: 34799

Ion Ratio Lower Upper

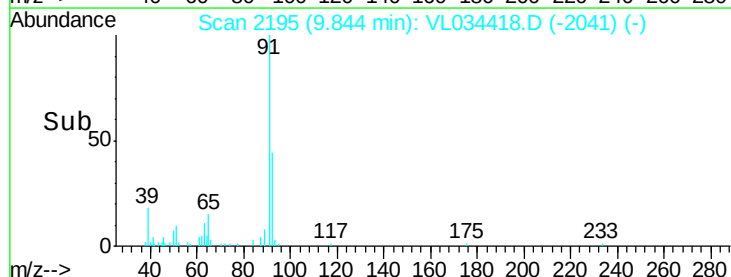
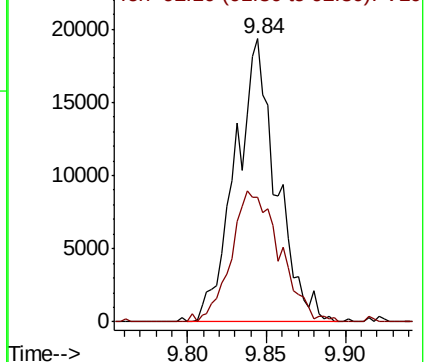
91 100

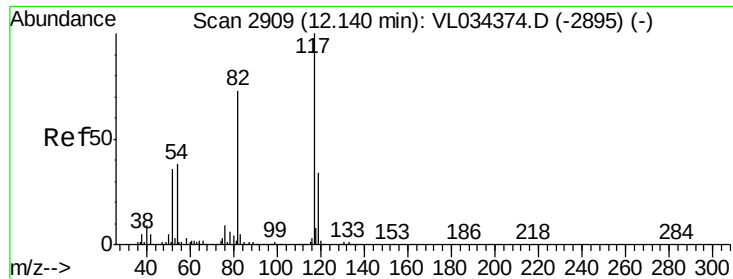
92 54.5 47.9 71.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





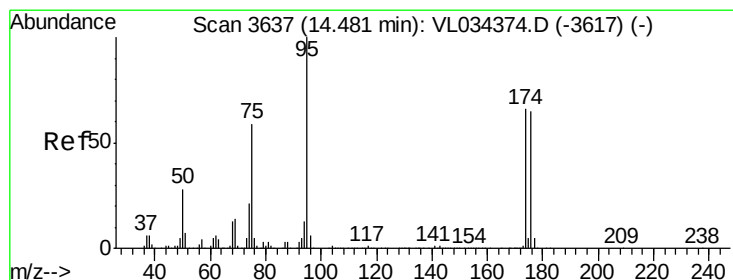
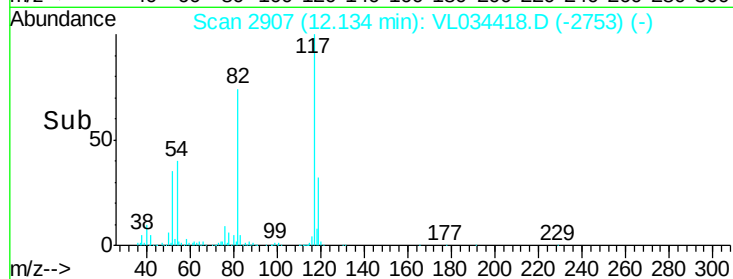
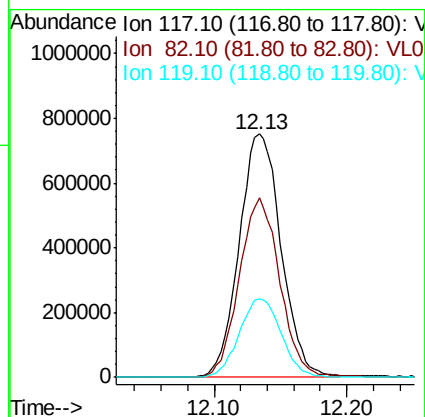
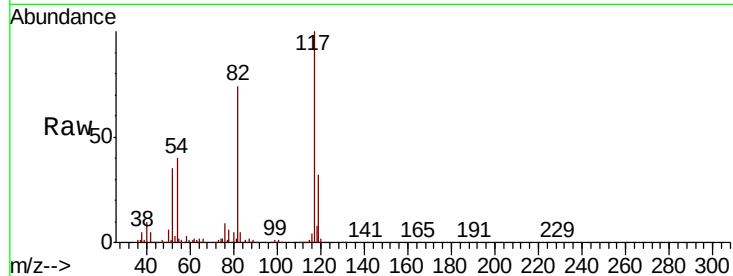
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. -0.01 min
Lab File: VL034418.D
Acq: 25 Nov 2019 22:56

Instrument :
MSVOA_L
ClientSampled :
6DL

Tot Ion:117 Resp: 1646269
Ion Ratio Lower Upper
117 100
82 72.3 57.5 86.3
119 32.7 25.4 38.2

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.093 ppbv
RT: 14.47 min Scan# 3635
Delta R.T. -0.01 min
Lab File: VL034418.D
Acq: 25 Nov 2019 22:56

Tgt Ion: 95 Resp: 1397850
Ion Ratio Lower Upper
95 100
174 66.0 52.2 78.2
175 4.6 3.8 5.8

