

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112519\
 Data File : VL034410.D
 Acq On : 25 Nov 2019 17:40
 Operator : SY/AP
 Sample : K5971-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 3DL

Manual Integrations
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 12/2/2019 10:03:44 AM

Quant Time: Nov 26 03:28:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 1
 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	928018	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1854364	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	1804344	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.47	95	1514395	9.98	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	17295	0.103	ppbv	# 87
9) Propene	2.99	41	9685m	0.188	ppbv	
13) Ethanol	3.58	45	477326	33.334	ppbv	97
15) Acetone	3.84	43	193278	1.454	ppbv	99
20) Methylene Chloride	4.34	84	15545m	0.330	ppbv	
26) Hexane	5.70	57	19400m	0.190	ppbv	
53) Toluene	9.84	91	55949	0.266	ppbv	96

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

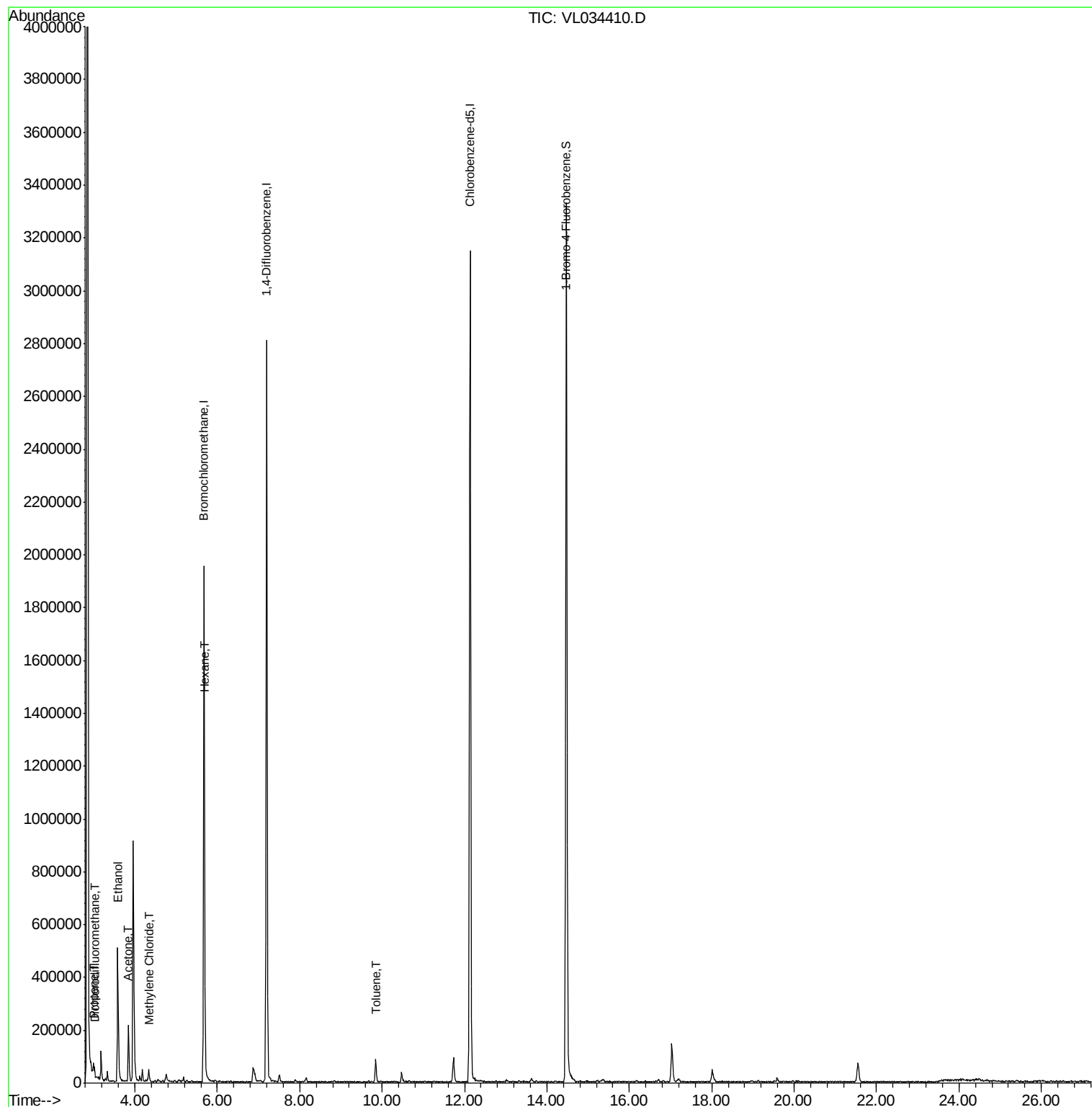
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL112519\
Data File : VL034410.D
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Operator : SY/AP
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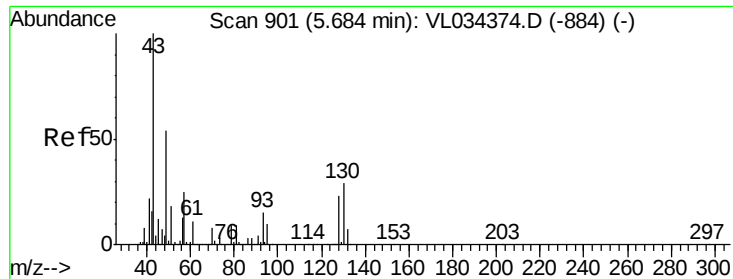
Instrument :
MSVOA_L
ClientSampleId :
3DL

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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: VL034410.D

Acq: 25 Nov 2019 17:40

Instrument :

MSVOA_L

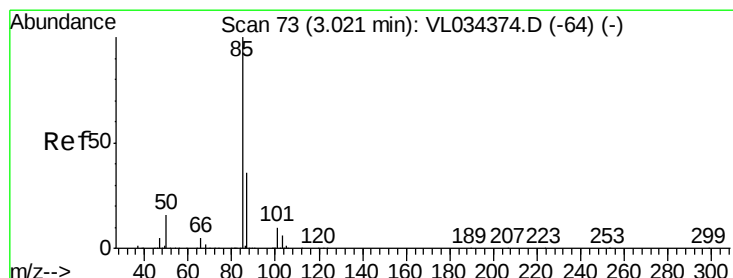
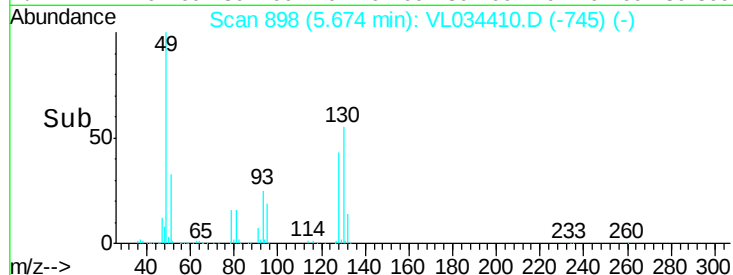
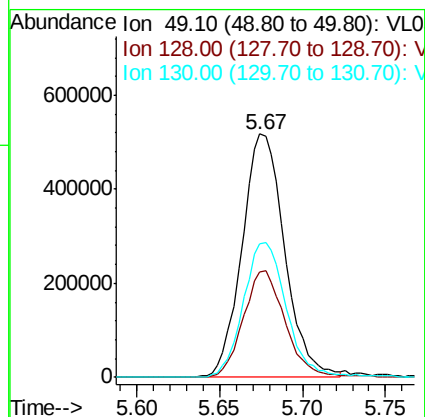
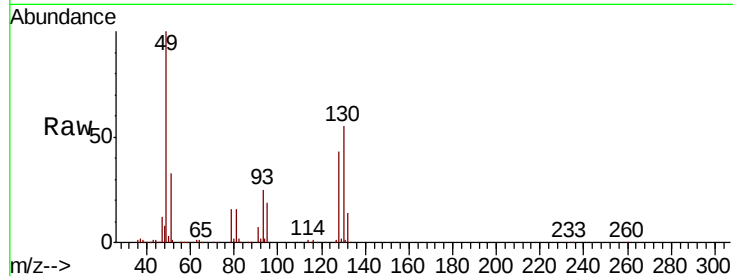
ClientSampled :

3DL

Tot Ion:	49	Resp:	928018
Ion Ratio	Lower	Upper	
49	100		
128	43.2	21.8	65.3
130	56.3	28.0	84.0

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#2

Dichlorodifluoromethane

Concen: 0.103 ppbv

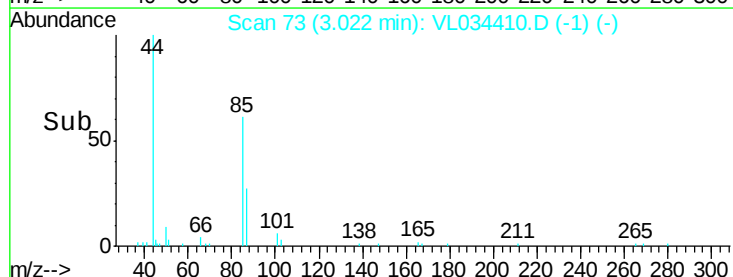
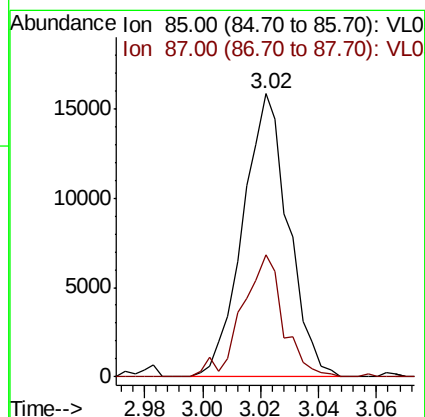
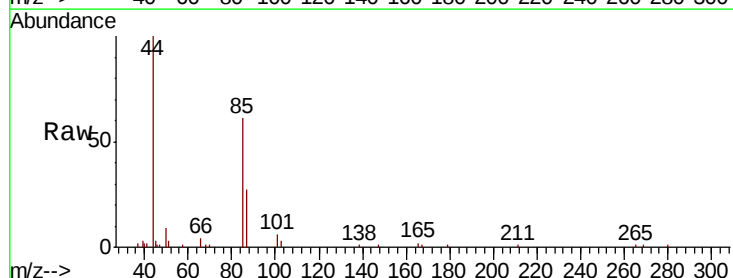
RT: 3.02 min Scan# 73

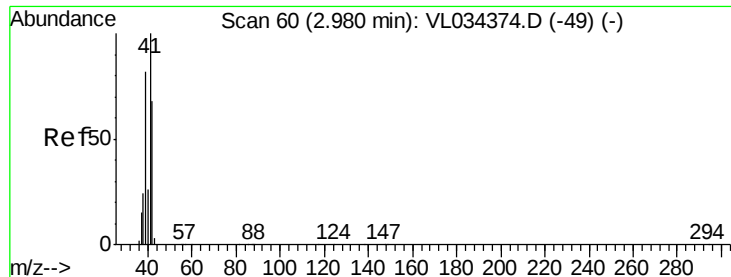
Delta R.T. 0.00 min

Lab File: VL034410.D

Acq: 25 Nov 2019 17:40

Tgt Ion:	85	Resp:	17295
Ion Ratio	Lower	Upper	
85	100		
87	43.2	28.5	42.7#





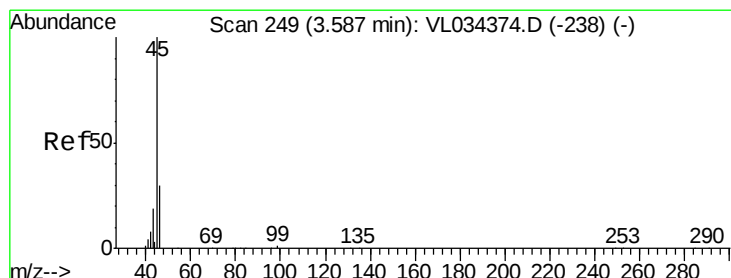
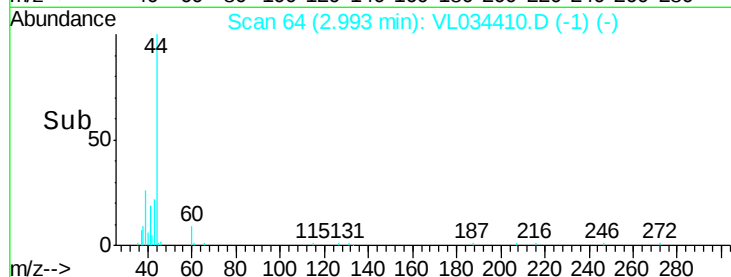
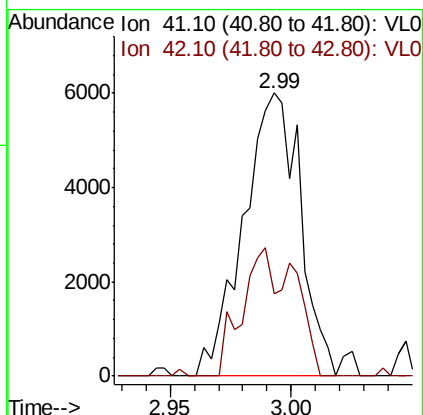
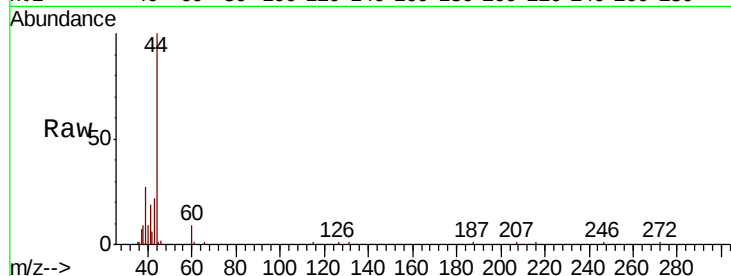
#9
Propene
Concen: 0.188 ppbv m
RT: 2.99 min Scan# 64
Delta R.T. 0.01 min
Lab File: VL034410.D
Acq: 25 Nov 2019 17:40

Instrument :
MSVOA_L
ClientSampled :
3DL

Tot Ion: 41 Resp: 9685
Ion Ratio Lower Upper
41 100
42 184.5 54.6 82.0#

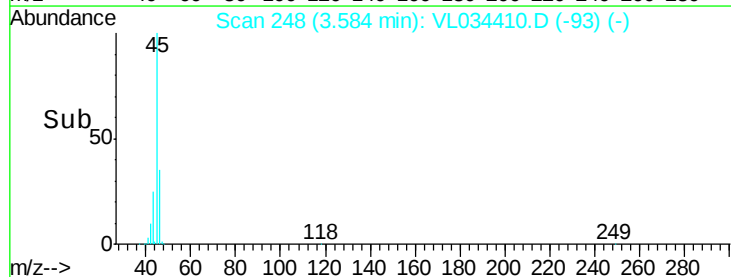
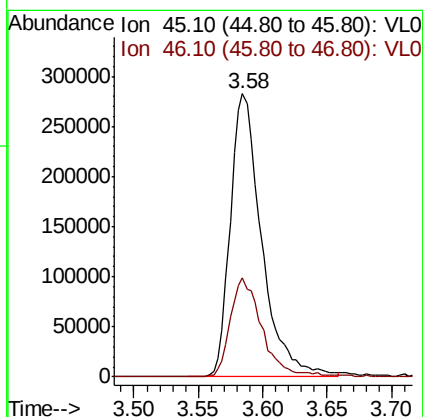
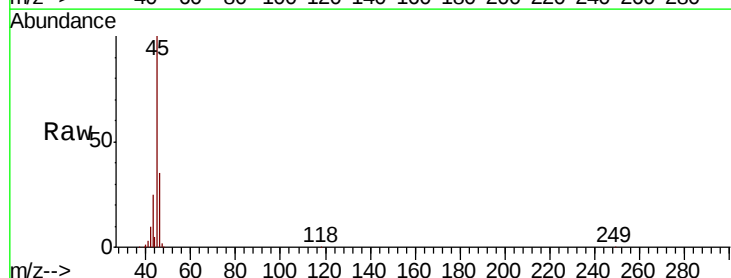
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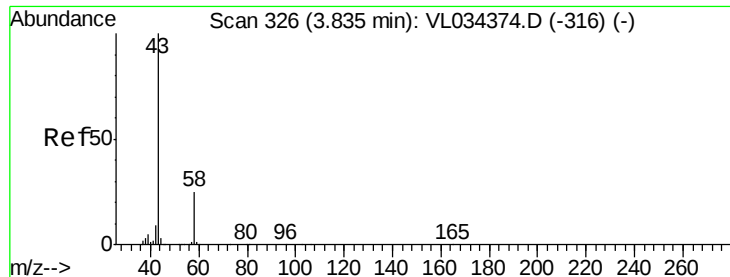
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#13
Ethanol
Concen: 33.334 ppbv
RT: 3.58 min Scan# 248
Delta R.T. -0.00 min
Lab File: VL034410.D
Acq: 25 Nov 2019 17:40

Tgt Ion: 45 Resp: 477326
Ion Ratio Lower Upper
45 100
46 36.3 13.8 55.4





#15

Acetone

Concen: 1.454 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.01 min

Lab File: VL034410.D

Acq: 25 Nov 2019 17:40

Instrument :

MSVOA_L

ClientSampled :

3DL

Tot Ion: 43 Resp: 193278

Ion Ratio Lower Upper

43 100

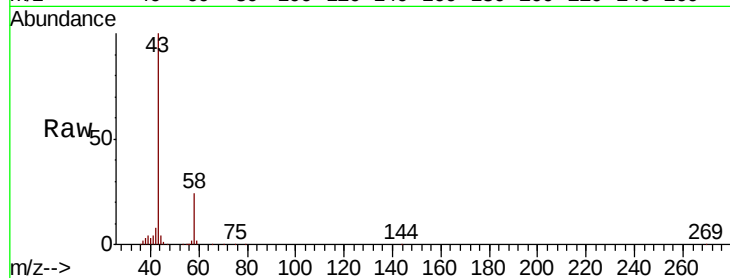
58 24.9 20.2 30.4

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

150000

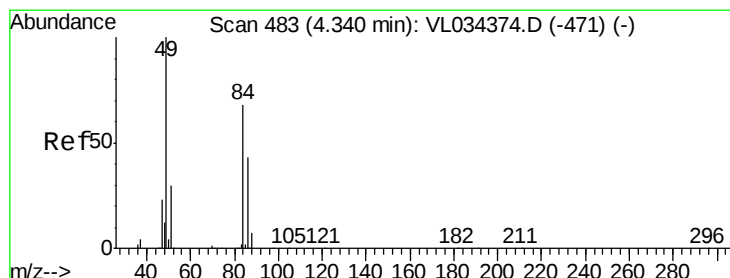
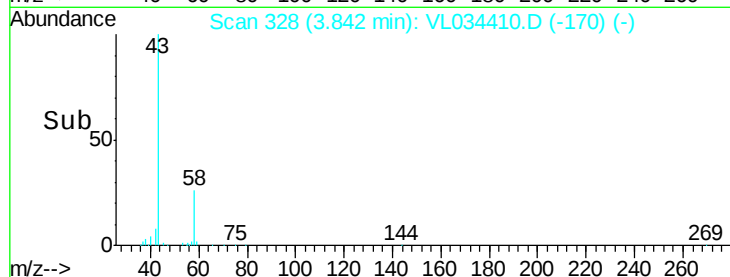
100000

50000

0

3.80 3.85 3.90

Time-->



#20

Methylene Chloride

Concen: 0.330 ppbv m

RT: 4.34 min Scan# 483

Delta R.T. 0.00 min

Lab File: VL034410.D

Acq: 25 Nov 2019 17:40

Tgt Ion: 84 Resp: 15545

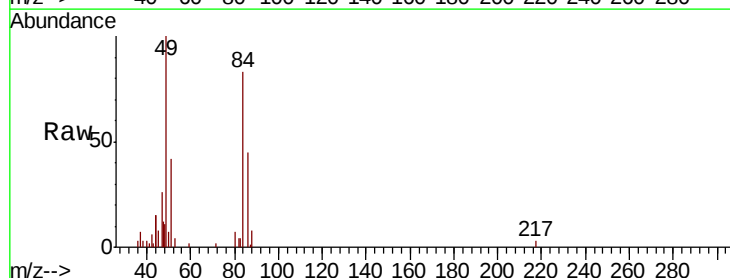
Ion Ratio Lower Upper

84 100

49 120.1 116.8 175.2

51 50.7 35.6 53.4

86 53.5 50.7 76.1



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

25000

20000

15000

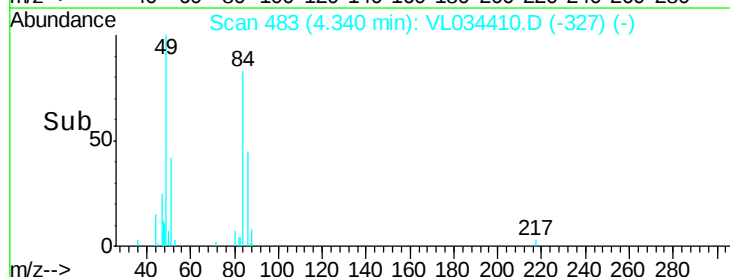
10000

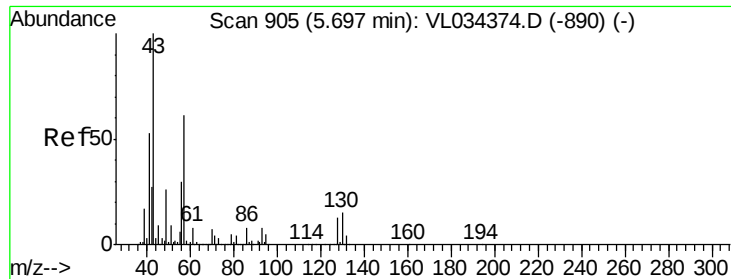
5000

0

4.30 4.35 4.40

Time-->





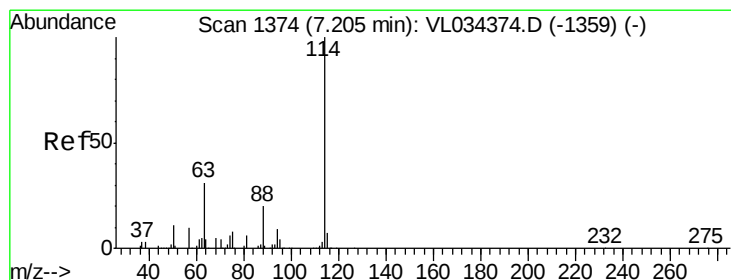
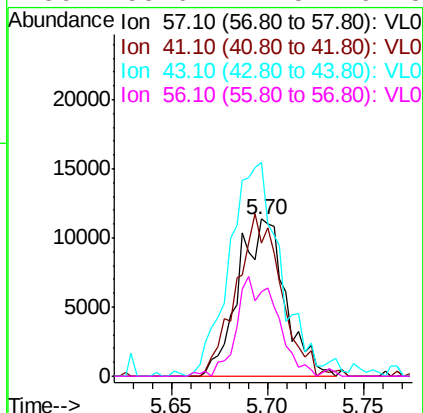
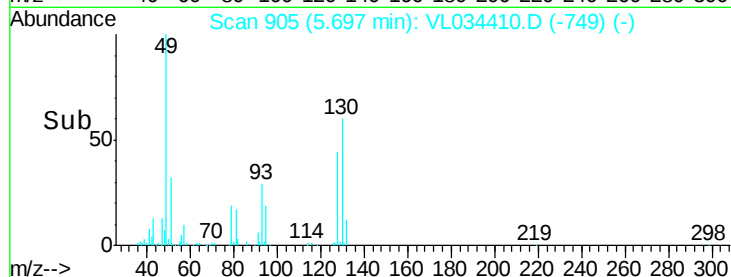
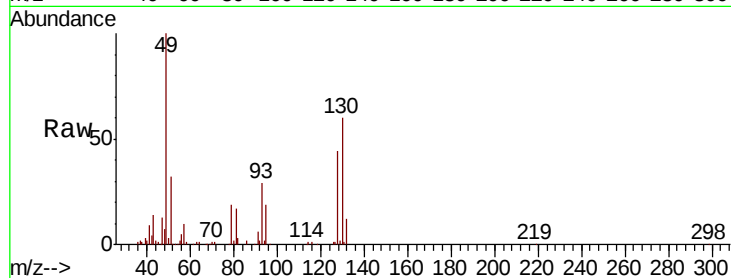
#26
Hexane
Concen: 0.190 ppbv m
RT: 5.70 min Scan# 905
Delta R.T. 0.00 min
Lab File: VL034410.D
Acq: 25 Nov 2019 17:40

Instrument :
MSVOA_L
ClientSampled :
3DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	0.0	75.0	112.4#
43	0.0	186.6	279.8#
56	55.6	41.5	62.3

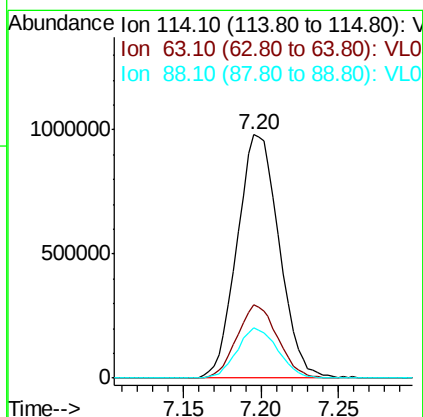
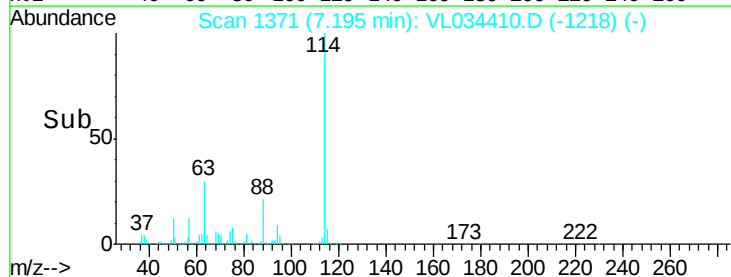
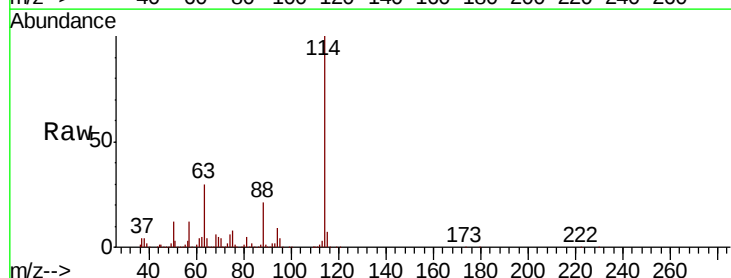
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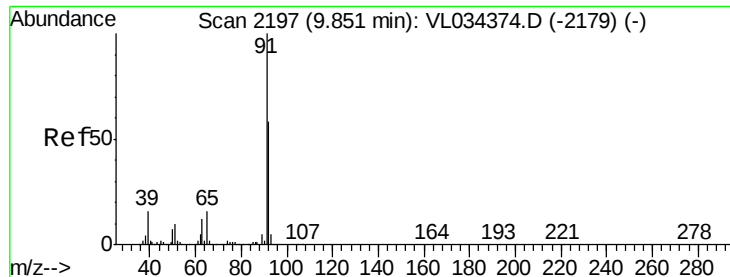
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1371
Delta R.T. -0.01 min
Lab File: VL034410.D
Acq: 25 Nov 2019 17:40

Tgt Ion	Ratio	Lower	Upper
114	100		
63	29.2	24.2	36.4
88	20.0	15.9	23.9





#53

Toluene

Concen: 0.266 ppbv

RT: 9.84 min Scan# 2195

Delta R.T. -0.01 min

Lab File: VL034410.D

Acq: 25 Nov 2019 17:40

Instrument :

MSVOA_L

ClientSampleId :

3DL

Tot Ion: 91 Resp: 55949

Ion Ratio Lower Upper

91 100

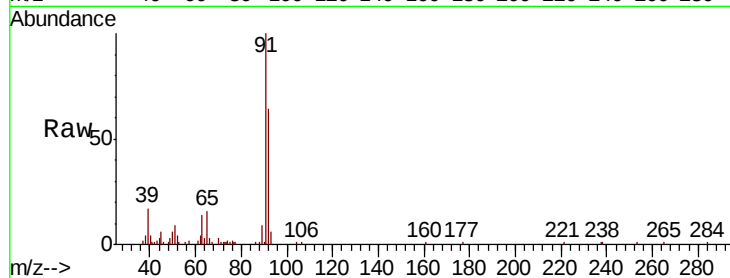
92 56.9 47.9 71.9

Manual Integrations

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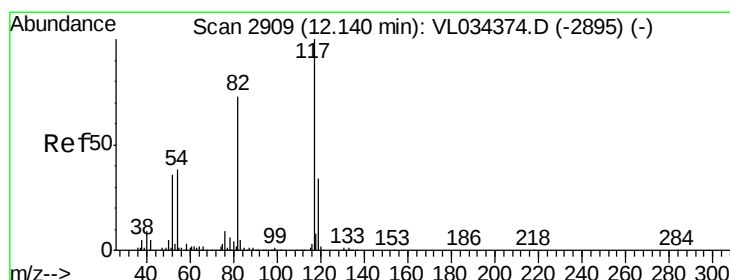
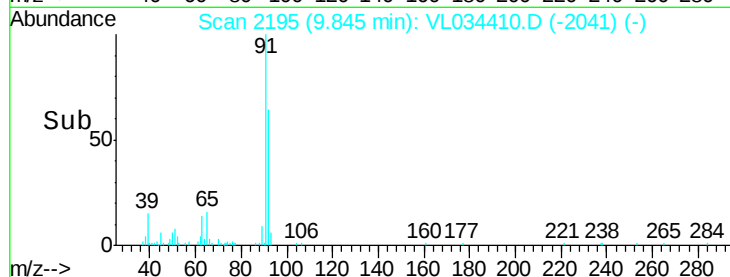
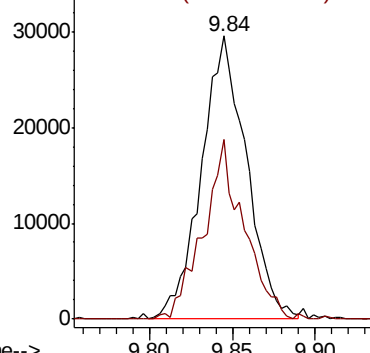
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Abundance Ion 91.10 (90.80 to 91.80): VL0

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: VL034410.D

Acq: 25 Nov 2019 17:40

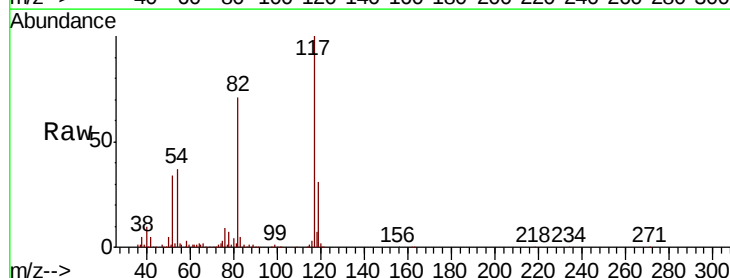
Tgt Ion: 117 Resp: 1804344

Ion Ratio Lower Upper

117 100

82 71.0 57.5 86.3

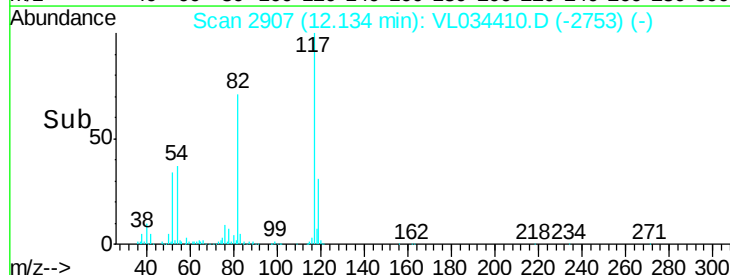
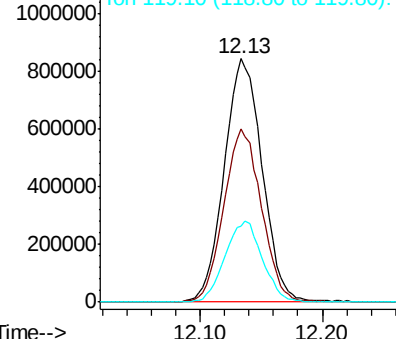
119 32.9 25.4 38.2

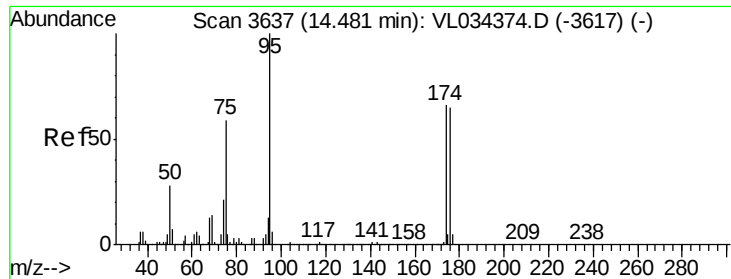


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.977 ppbv
 RT: 14.47 min Scan# 3634
 Delta R.T. -0.01 min
 Lab File: VL034410.D
 Acq: 25 Nov 2019 17:40

Instrument :
 MSVOA_L
 ClientSampleId :
 3DL

Tot Ion: 95 Resp: 1514395
 Ion Ratio Lower Upper
 95 100
 174 65.2 52.2 78.2
 175 4.8 3.8 5.8

Manual Integrations
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