

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL020420\
 Data File : VL034592.D
 Acq On : 4 Feb 2020 23:10
 Operator : SY/AP
 Sample : L1358-01DL 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: Feb 05 07:28:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 2020
 QLast Update : Thu Jan 30 17:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	983897	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2013439	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2020653	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1726314	10.11	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.96	51	15952m	0.134	ppbv	
9) Propene	2.99	41	14609m	0.316	ppbv	
13) Ethanol	3.58	45	184330	14.867	ppbv	100
15) Acetone	3.83	43	108173	0.748	ppbv	96
19) Isopropyl Alcohol	3.97	45	14546m	0.172	ppbv	
20) Methylene Chloride	4.33	84	65443	1.189	ppbv	96

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

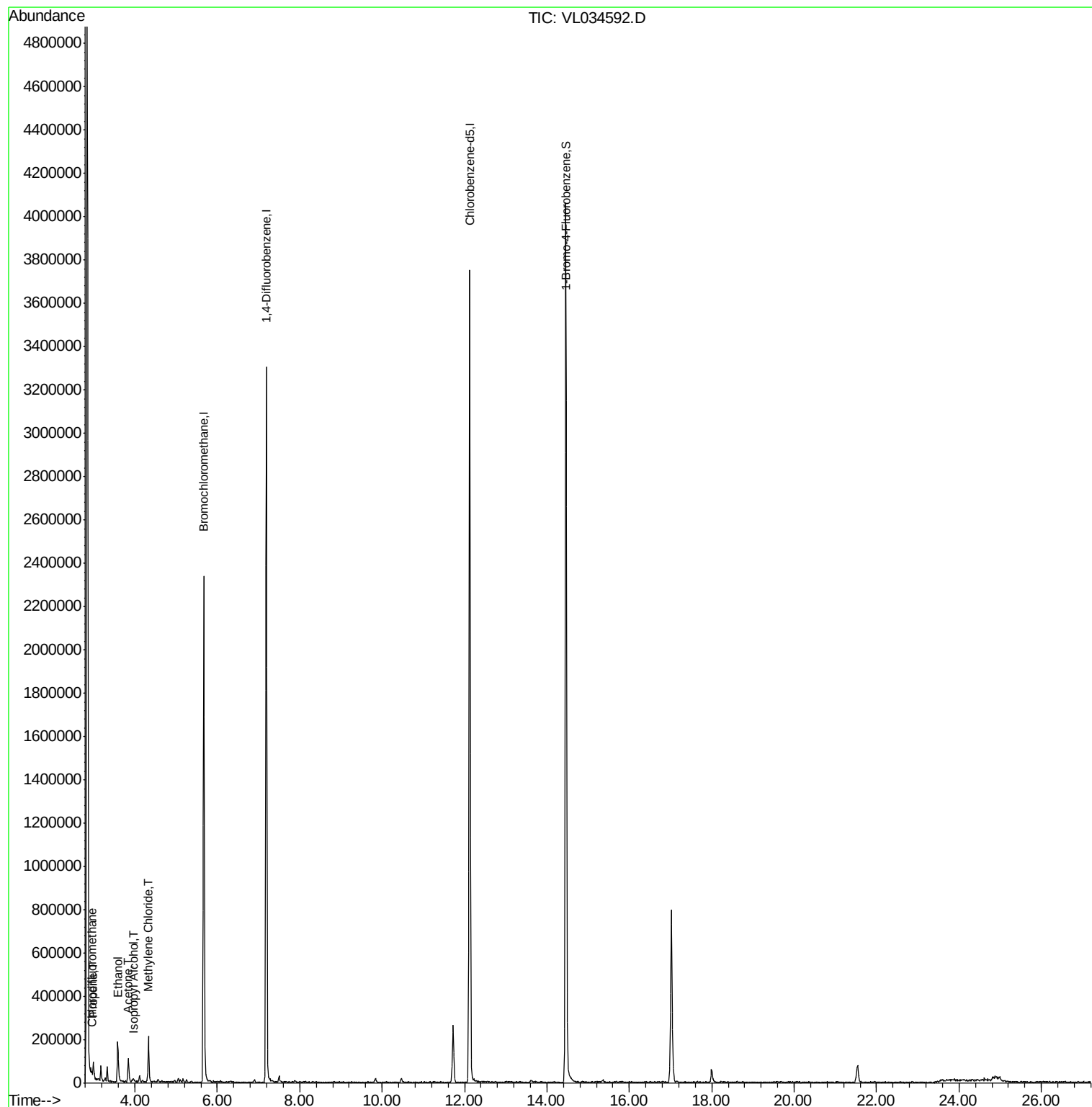
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL020420\
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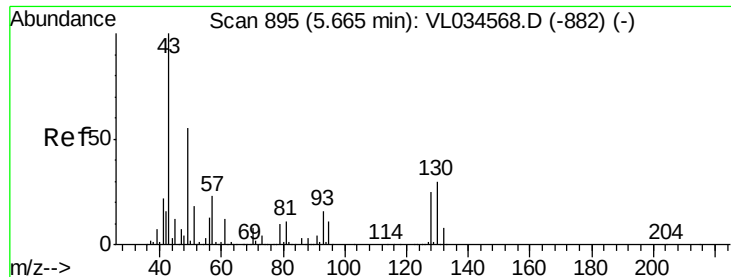
Instrument :
MSVOA_L
ClientSampleId :
1A-1DL

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Quant Time: Feb 05 07:28:21 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
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QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration





#1

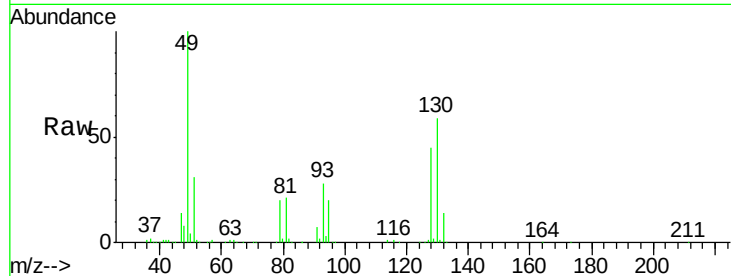
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 896
 Delta R.T. 0.00 min
 Lab File: VL034592.D
 Acq: 4 Feb 2020 23:10

Instrument :
 MSVOA_L
 ClientSampled :
 1A-1DL

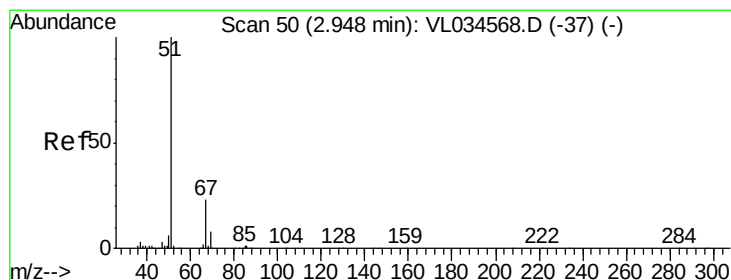
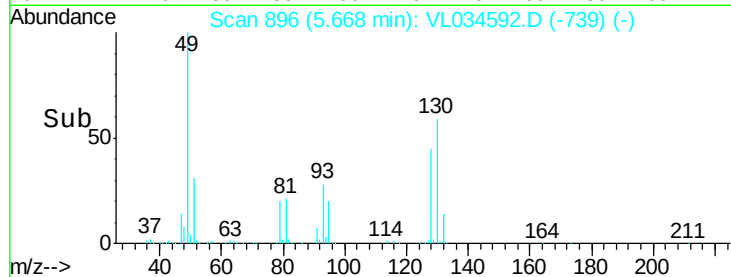
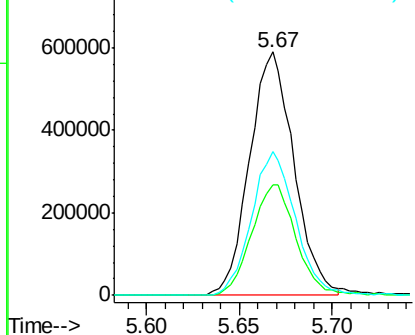
Tot Ion	Ratio	Lower	Upper
49	100		
128	45.7	22.7	68.1
130	59.1	28.6	85.8

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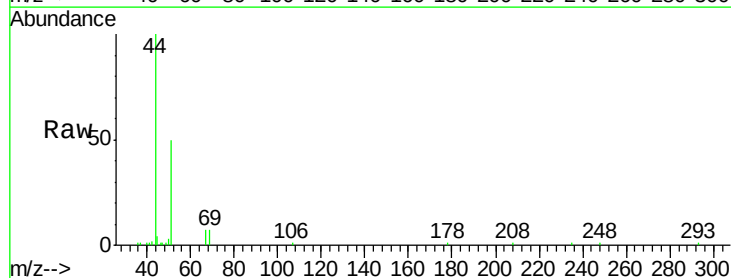
Abundance Ion 49.10 (48.80 to 49.80): VL0
 Ion 128.00 (127.70 to 128.70): V
 Ion 130.00 (129.70 to 130.70): V



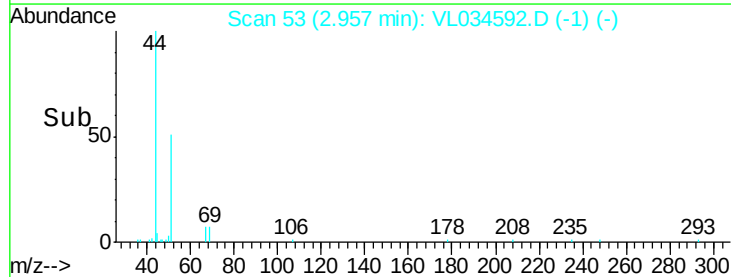
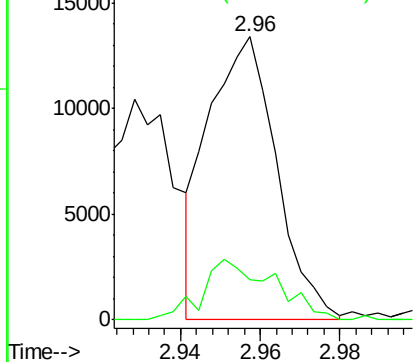
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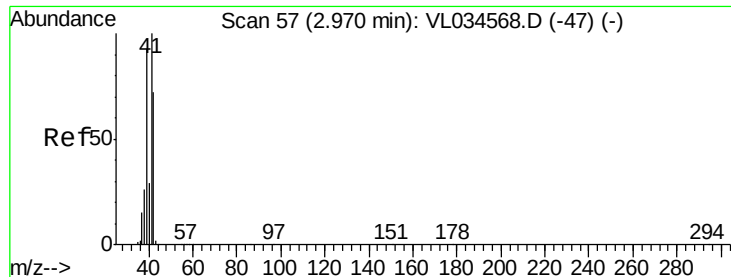
Chlorodifluoromethane
 Concen: 0.134 ppbv m
 RT: 2.96 min Scan# 53
 Delta R.T. 0.01 min
 Lab File: VL034592.D
 Acq: 4 Feb 2020 23:10

Tgt Ion	Ratio	Lower	Upper
51	100		
67	22.8	17.8	26.8



Abundance Ion 51.00 (50.70 to 51.70): VL0
 Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.316 ppbv m

RT: 2.99 min Scan# 63

Delta R.T. 0.02 min

Lab File: VL034592.D

Acq: 4 Feb 2020 23:10

Instrument :

MSVOA_L

ClientSampleId :

1A-1DL

Tot Ion: 41 Resp: 14609

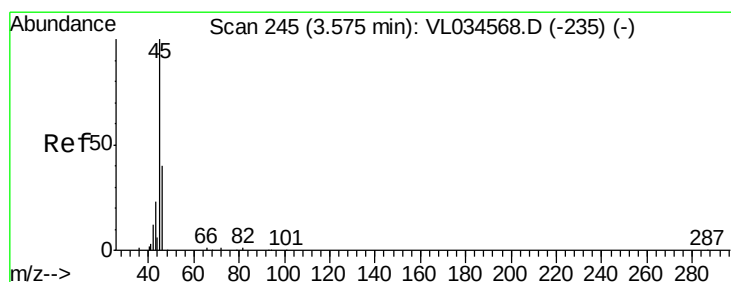
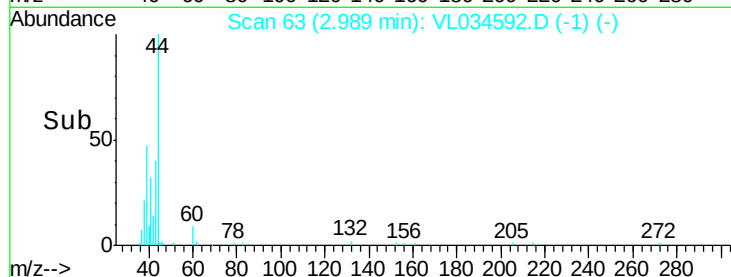
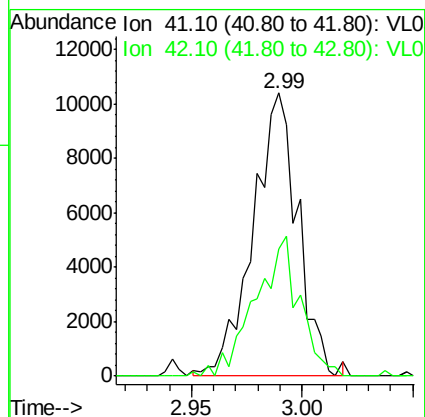
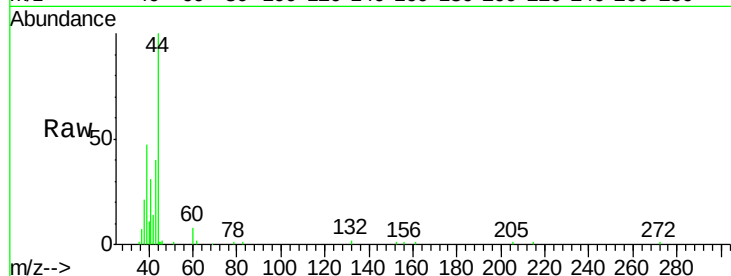
Ion Ratio Lower Upper

41 100

42 49.0 57.0 85.4#

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#13

Ethanol

Concen: 14.867 ppbv

RT: 3.58 min Scan# 248

Delta R.T. 0.01 min

Lab File: VL034592.D

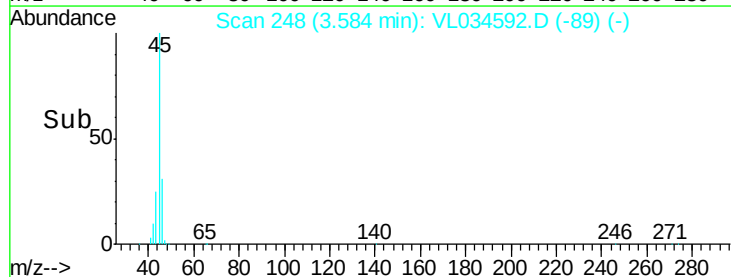
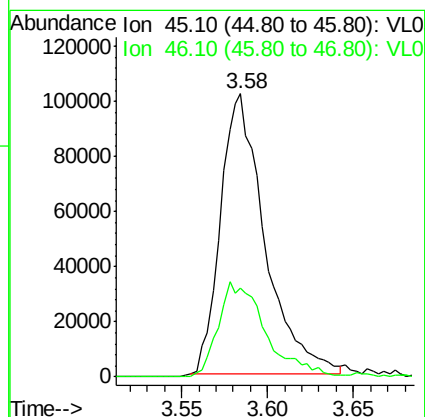
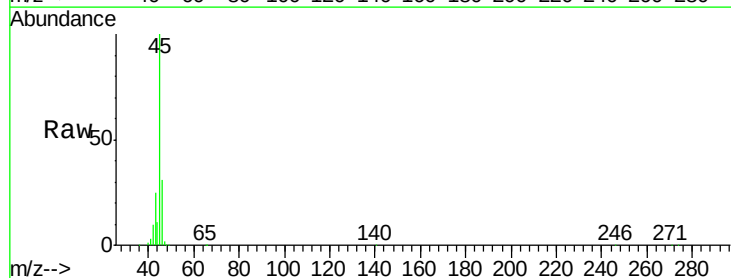
Acq: 4 Feb 2020 23:10

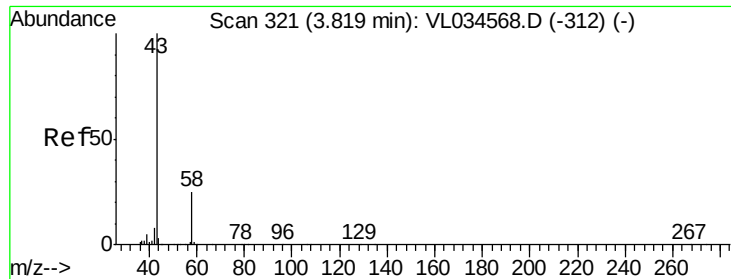
Tgt Ion: 45 Resp: 184330

Ion Ratio Lower Upper

45 100

46 36.9 14.8 59.2





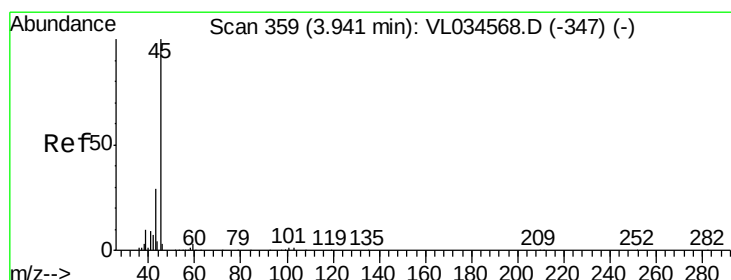
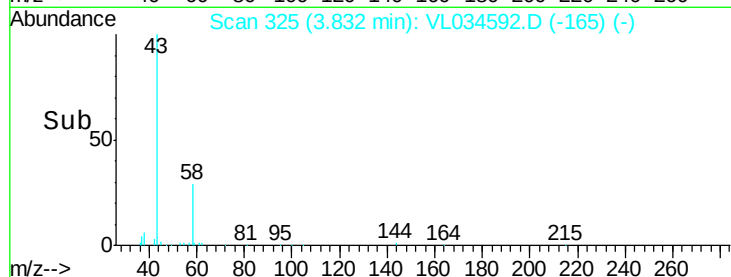
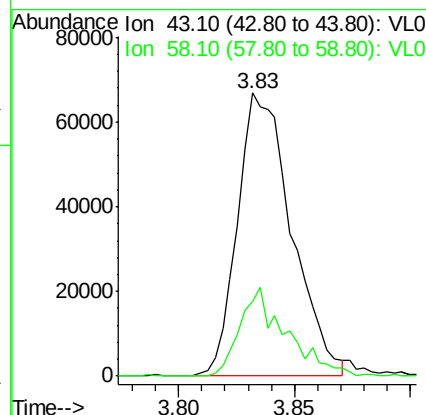
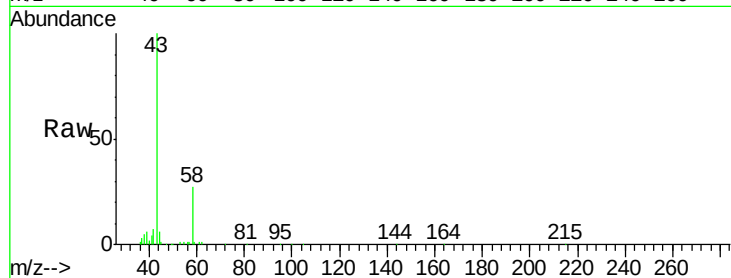
#15
Acetone
Concen: 0.748 ppbv
RT: 3.83 min Scan# 325
Delta R.T. 0.01 min
Lab File: VL034592.D
Acq: 4 Feb 2020 23:10

Instrument :
MSVOA_L
ClientSampleId :
1A-1DL

Tot Ion	43	Resp	108173
Ion Ratio	43	100	Lower Upper
	58	27.2	20.3 30.5

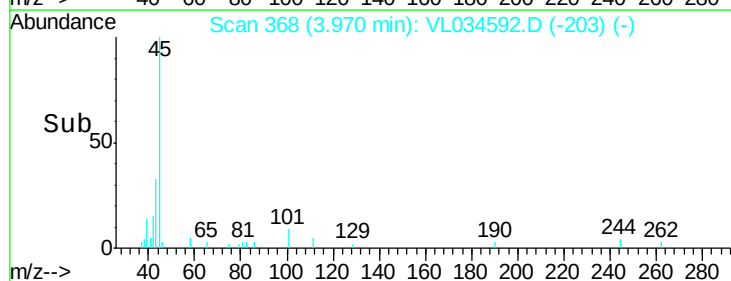
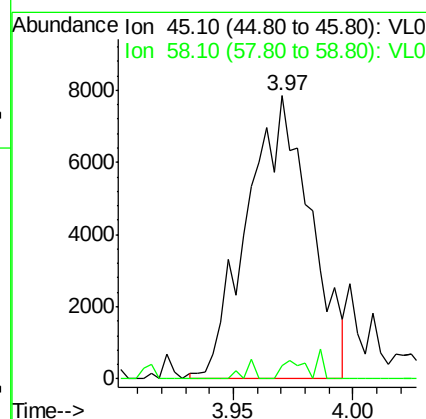
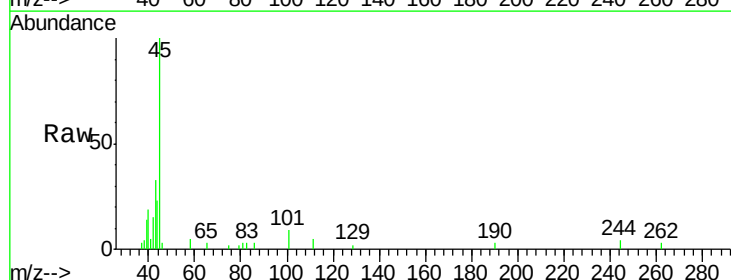
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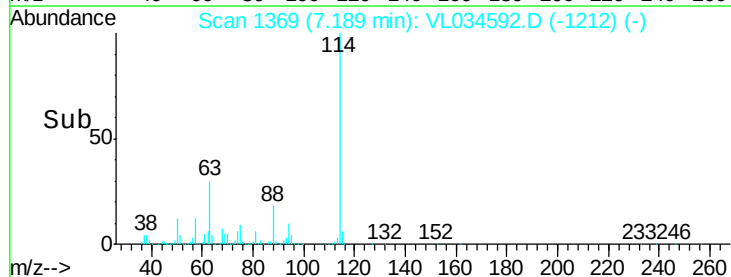
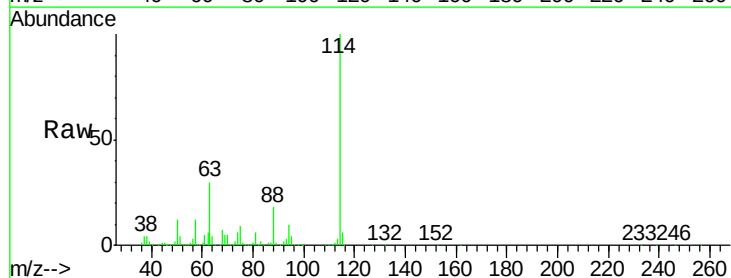
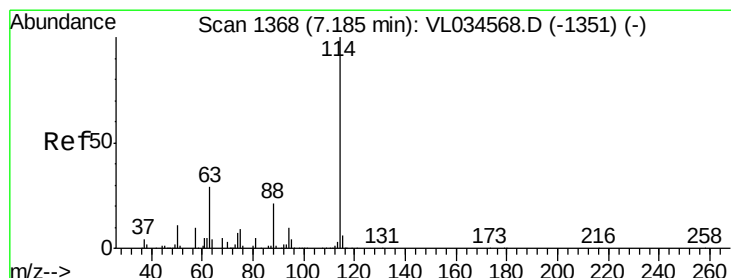
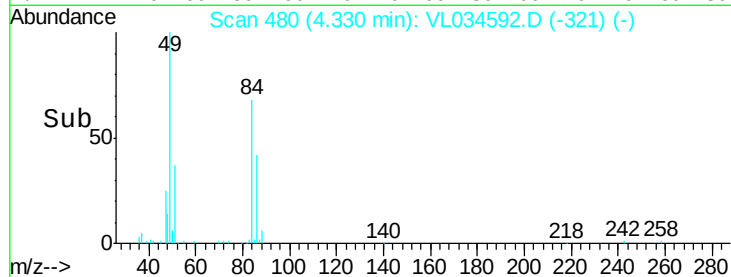
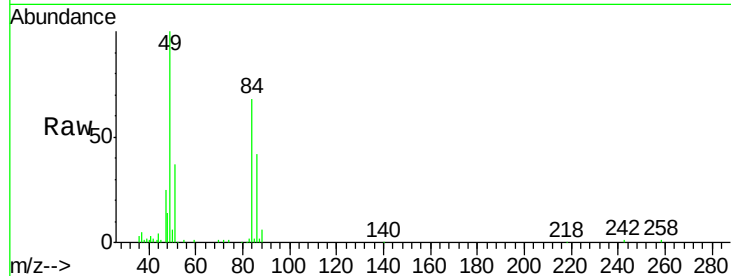
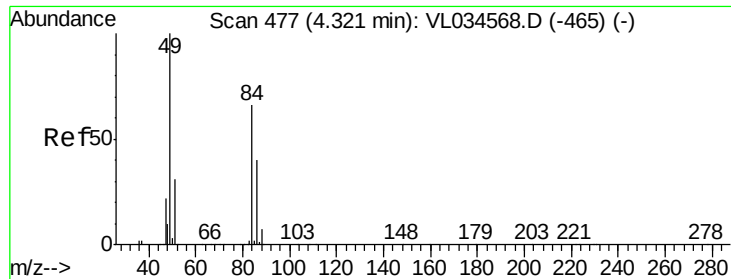
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#19
Isopropyl Alcohol
Concen: 0.172 ppbv m
RT: 3.97 min Scan# 368
Delta R.T. 0.03 min
Lab File: VL034592.D
Acq: 4 Feb 2020 23:10

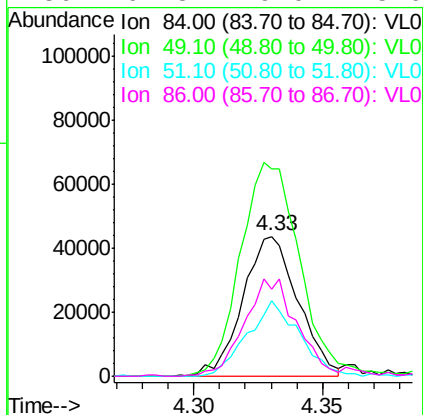
Tgt Ion	45	Resp	14546
Ion Ratio	45	100	Lower Upper
	58	0.0	1.7 2.5#





#20
Methylene Chloride
Concen: 1.189 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.01 min
Lab File: VL034592.D
Acq: 4 Feb 2020 23:10

Tot Ion	84	Resp	65443
Ion Ratio	Lower	Upper	
84	100		
49	147.0	122.4	183.6
51	54.0	38.6	57.8
86	61.3	49.0	73.6



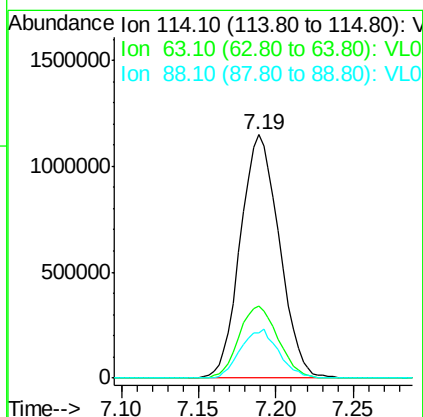
Instrument :
MSVOA_L
ClientSampled :
1A-1DL

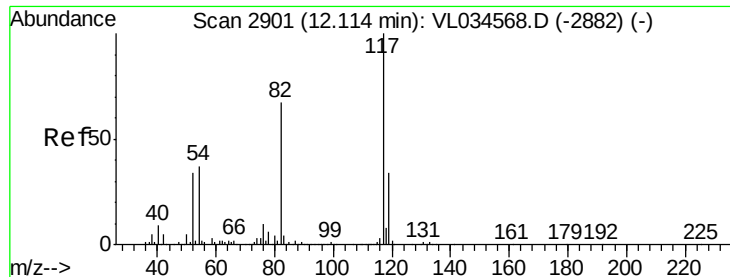
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VL034592.D
Acq: 4 Feb 2020 23:10

Tgt Ion	114	Resp	2013439
Ion Ratio	Lower	Upper	
114	100		
63	30.0	24.1	36.1
88	19.7	15.9	23.9





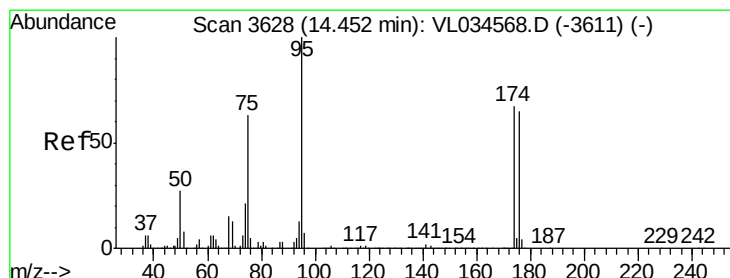
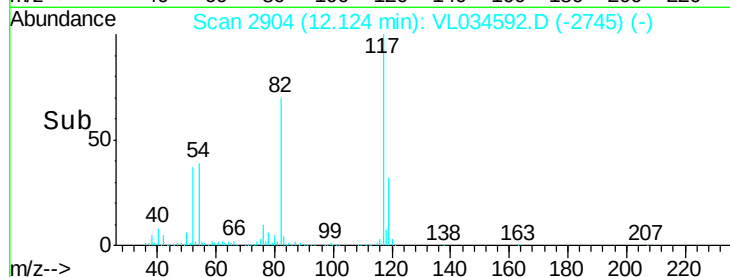
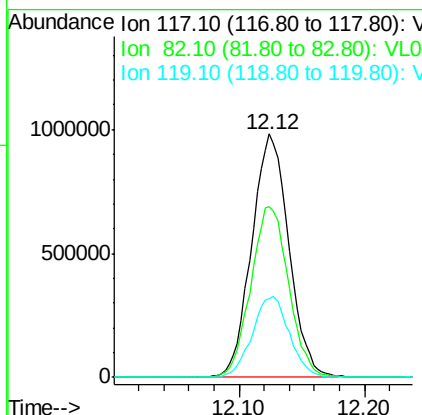
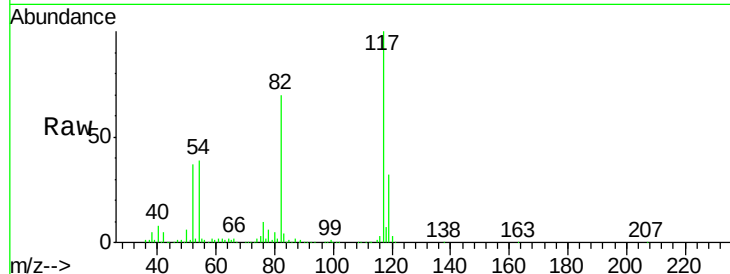
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.01 min
Lab File: VL034592.D
Acq: 4 Feb 2020 23:10

Instrument :
MSVOA_L
ClientSampleId :
1A-1DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	72.0	54.2	81.4
119	33.4	26.1	39.1

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.109 ppbv
RT: 14.46 min Scan# 3630
Delta R.T. 0.01 min
Lab File: VL034592.D
Acq: 4 Feb 2020 23:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	64.8	52.3	78.5
175	4.5	3.8	5.6

