

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071719\
 Data File : VL034041.D
 Acq On : 17 Jul 2019 21:12
 Operator : SY/AP
 Sample : K3804-01DL2 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1DL2

Manual Integrations
 APPROVED

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 7/19/2019 1:37:21 AM

Quant Time: Jul 18 05:37:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 0
 QLast Update : Tue Jul 02 19:31:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.72	49	1003866	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.25	114	3977733	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.19	117	2912367	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.52	95	2276958	9.17	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	55284	1.212	ppbv	95
13) Ethanol	3.63	45	620958	43.832	ppbv	93
15) Acetone	3.88	43	345096	2.045	ppbv	96
20) Methylene Chloride	4.37	84	8571m	0.116	ppbv	
27) Carbon Disulfide	4.59	76	236146	1.315	ppbv	95
34) 2-Butanone	5.30	43	23349m	0.111	ppbv	

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

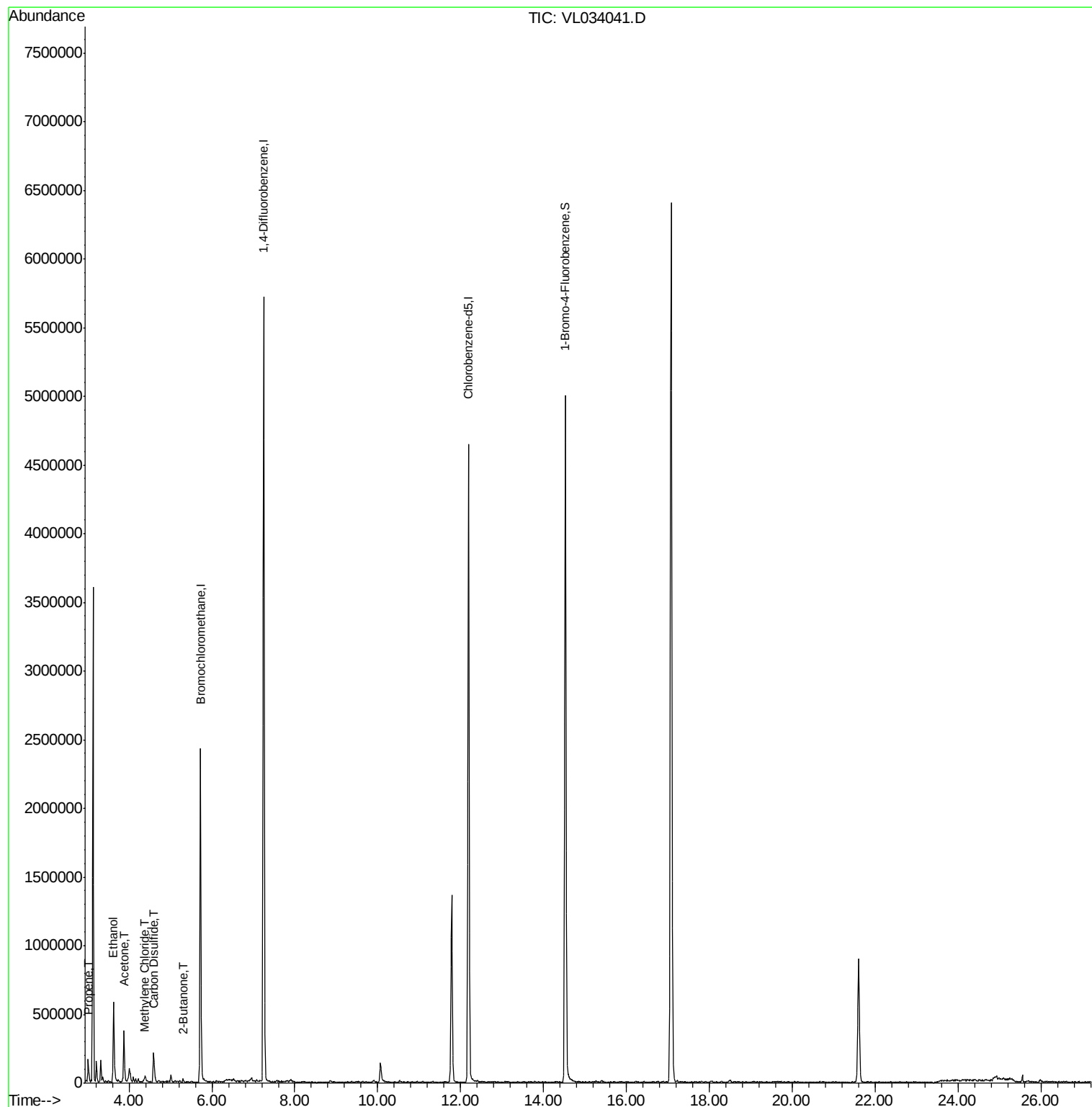
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Data File : VL034041.D
Acq On : 17 Jul 2019 21:12
Operator : SY/AP
Sample : K3804-01DL2 40X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

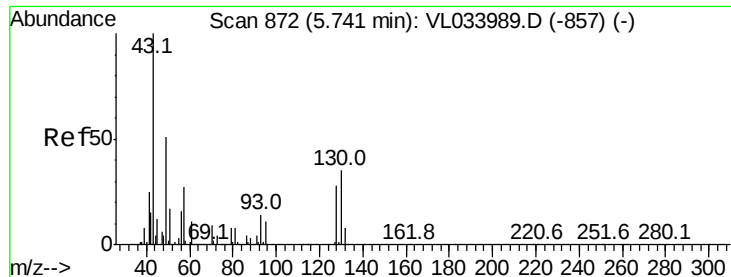
Instrument :
MSVOA_L
ClientSampleId :
SG-1DL2

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7/19/2019 1:37:21 AM

Quant Time: Jul 18 05:37:50 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul
QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.72 min Scan# 866

Delta R.T. -0.02 min

Lab File: VL034041.D

Acq: 17 Jul 2019 21:12

Instrument :

MSVOA_L

ClientSampleId :

SG-1DL2

Tot Ion: 49 Resp: 1003866

Ion Ratio Lower Upper

49 100

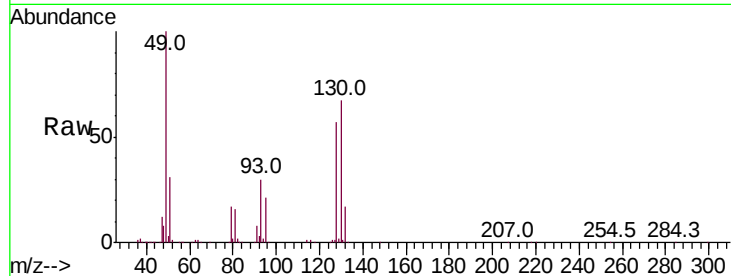
128 56.1 27.9 83.6

130 71.9 35.8 107.4

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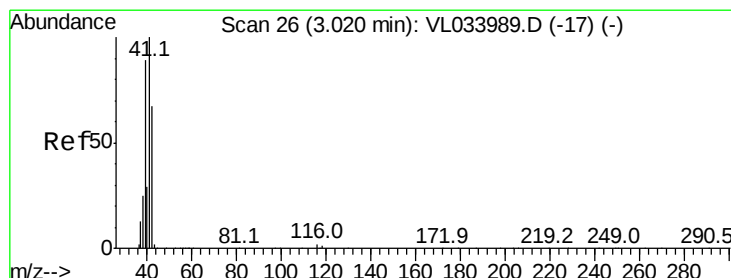
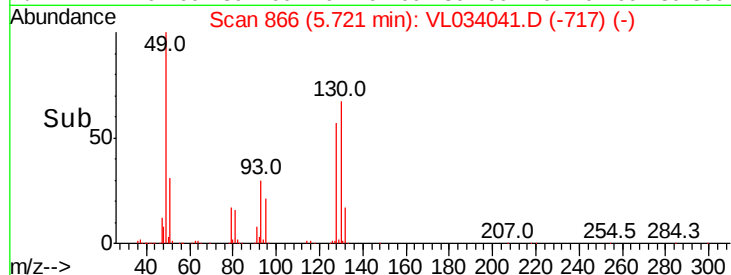
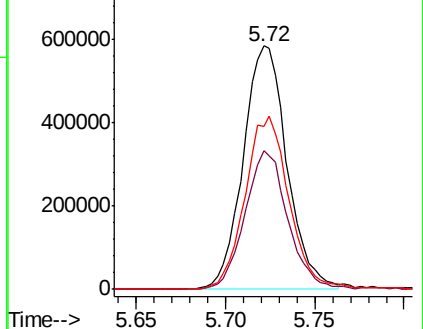
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 1.212 ppbv

RT: 3.02 min Scan# 25

Delta R.T. -0.00 min

Lab File: VL034041.D

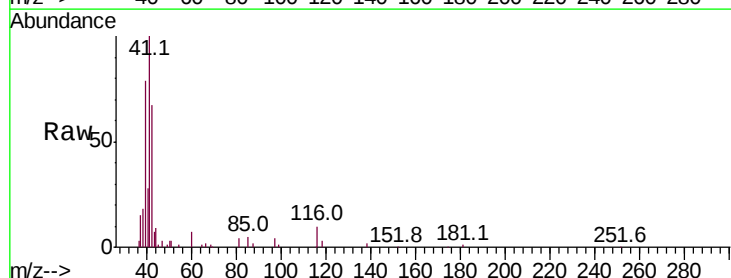
Acq: 17 Jul 2019 21:12

Tgt Ion: 41 Resp: 55284

Ion Ratio Lower Upper

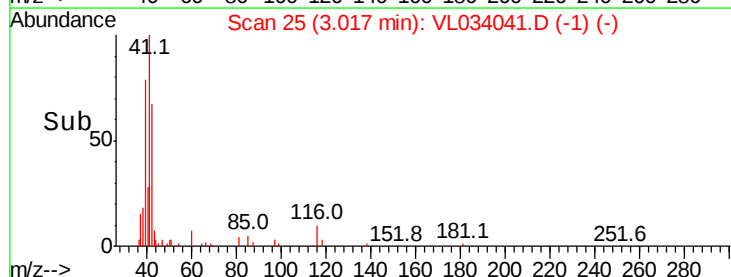
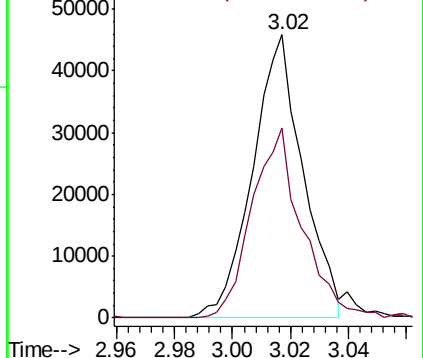
41 100

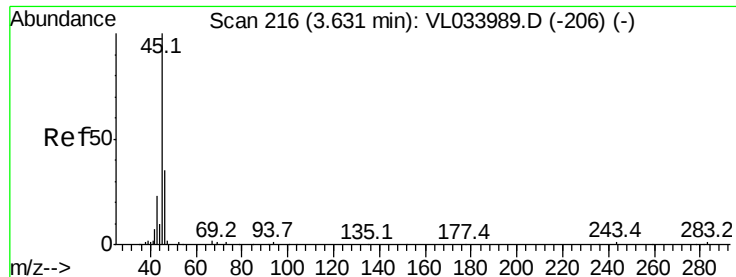
42 67.5 57.1 85.7



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





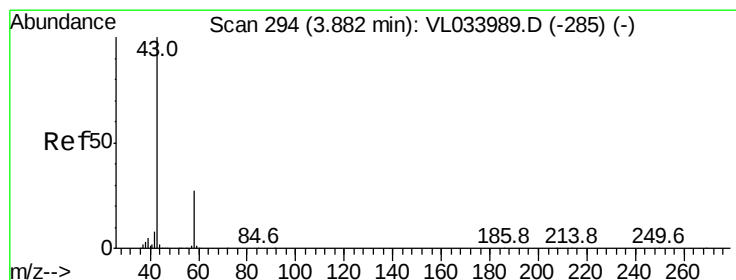
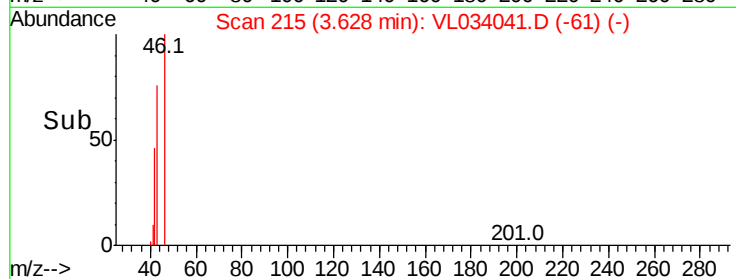
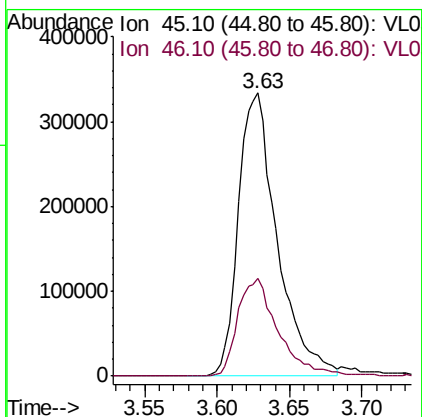
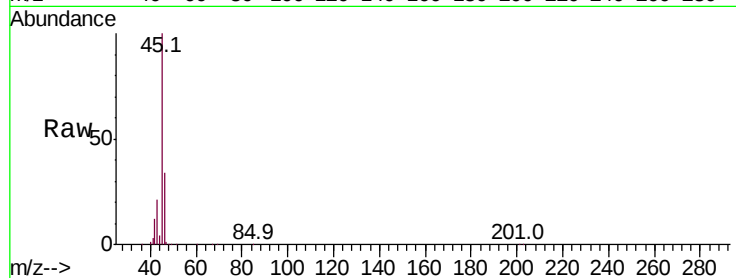
#13
Ethanol
Concen: 43.832 ppbv
RT: 3.63 min Scan# 215
Delta R.T. -0.00 min
Lab File: VL034041.D
Acq: 17 Jul 2019 21:12

Instrument :
MSVOA_L
ClientSampleId :
SG-1DL2

Tot Ion	Ratio	Lower	Upper
45	100		
46	36.3	16.2	64.6

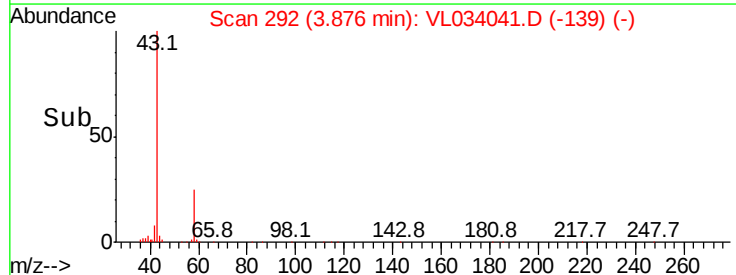
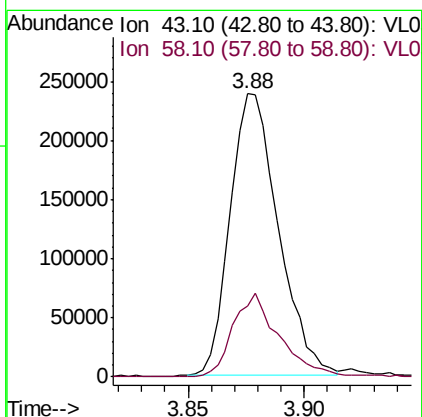
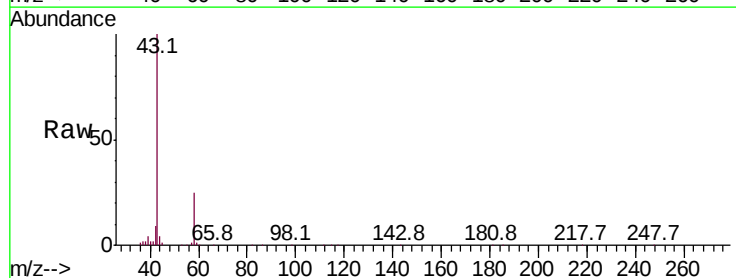
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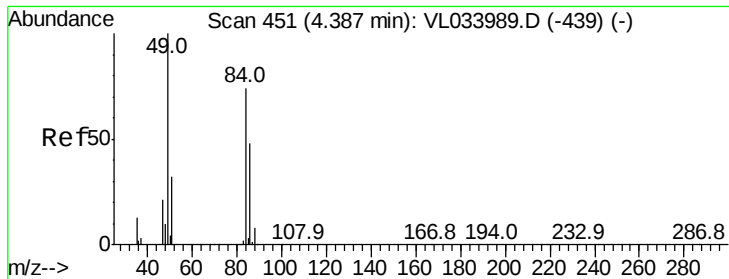
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#15
Acetone
Concen: 2.045 ppbv
RT: 3.88 min Scan# 292
Delta R.T. -0.01 min
Lab File: VL034041.D
Acq: 17 Jul 2019 21:12

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.9	21.4	32.0





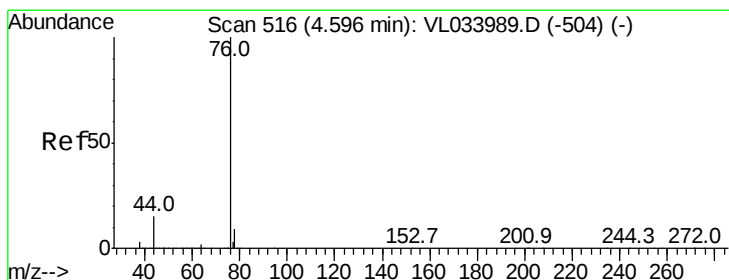
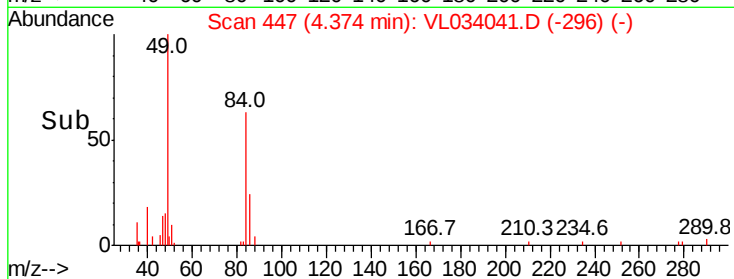
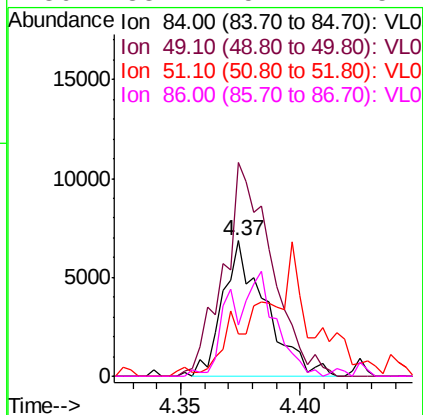
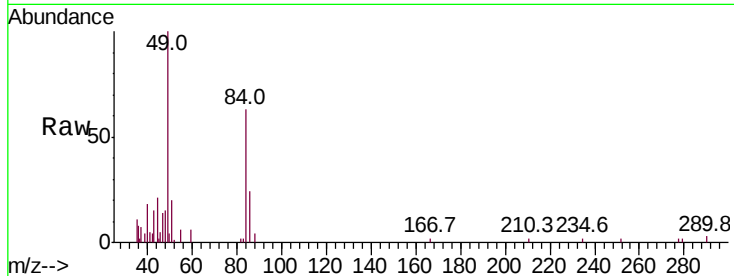
#20
Methvlene Chloride
Concen: 0.116 ppbv
RT: 4.37 min Scan# 447
Delta R.T. -0.01 min
Lab File: VL034041.D
Acq: 17 Jul 2019 21:12

Instrument :
MSVOA_L
ClientSampleId :
SG-1DL2

Tot Ion	Ratio	Lower	Upper
84	100		
49	157.7	107.6	161.4
51	30.8	35.0	52.6#
86	38.1	52.1	78.1#

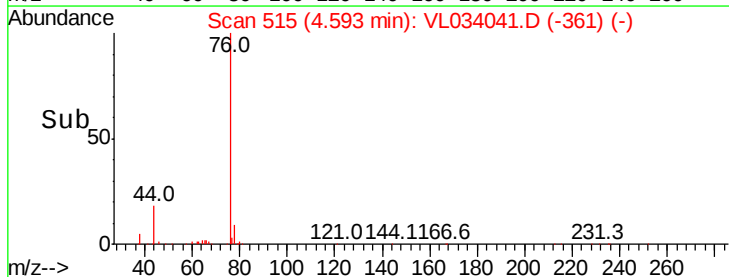
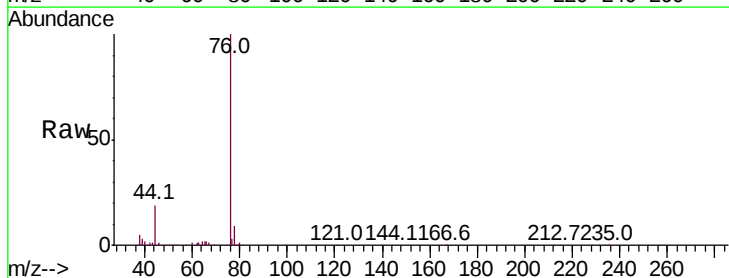
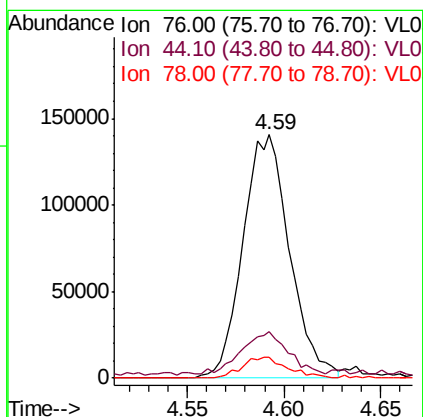
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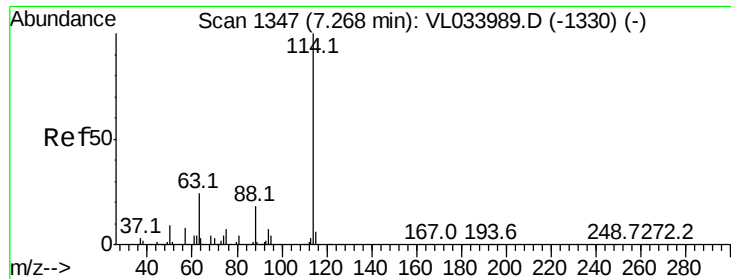
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#27
Carbon Disulfide
Concen: 1.315 ppbv
RT: 4.59 min Scan# 515
Delta R.T. -0.00 min
Lab File: VL034041.D
Acq: 17 Jul 2019 21:12

Tgt Ion	Ratio	Lower	Upper
76	100		
44	18.7	12.6	18.8
78	8.8	7.2	10.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.25 min Scan# 1341

Delta R.T. -0.02 min

Lab File: VL034041.D

Acq: 17 Jul 2019 21:12

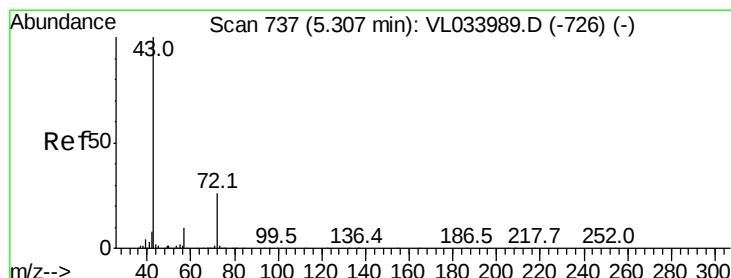
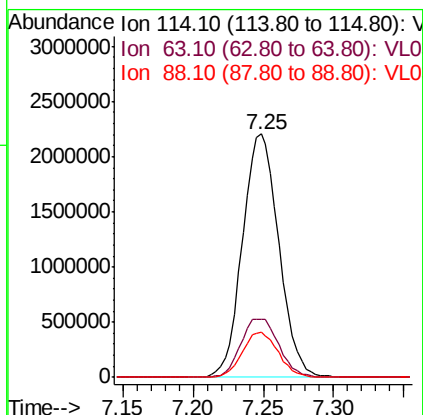
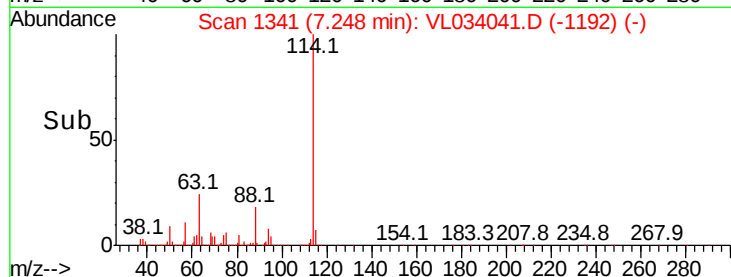
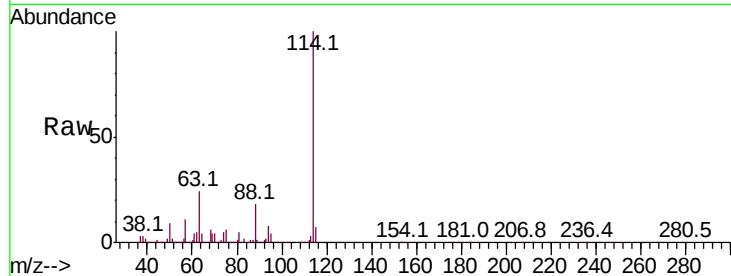
Instrument :
MSVOA_L
ClientSampled :
SG-1DL2

Tot Ion:114 Resp: 3977733

Ion	Ratio	Lower	Upper
114	100		
63	25.3	20.2	30.2
88	18.3	14.1	21.1

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#34

2-Butanone

Concen: 0.111 ppbv m

RT: 5.30 min Scan# 735

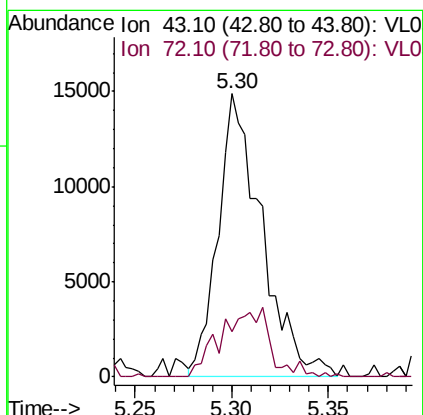
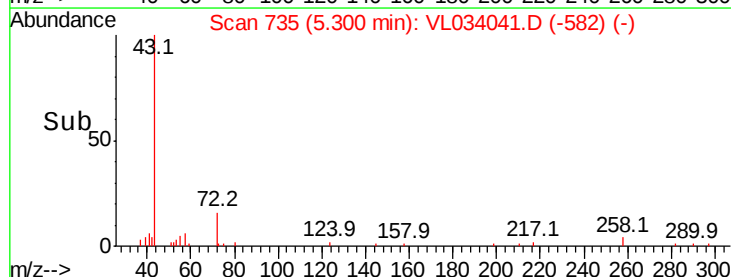
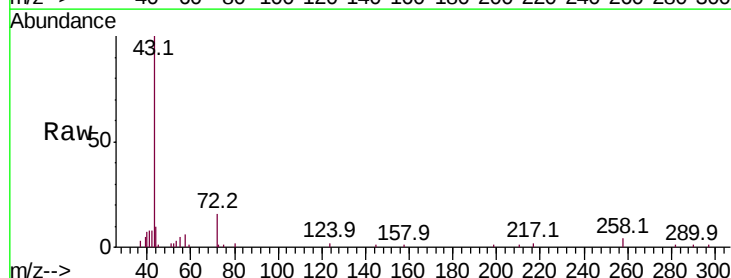
Delta R.T. -0.01 min

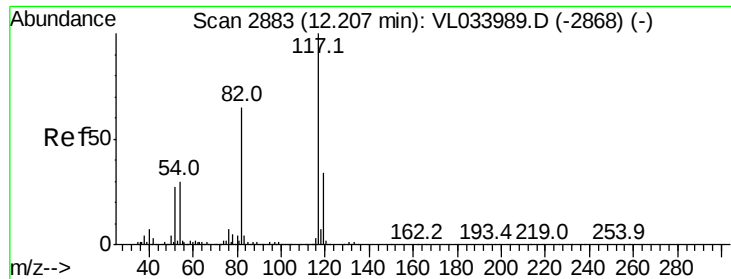
Lab File: VL034041.D

Acq: 17 Jul 2019 21:12

Tgt Ion: 43 Resp: 23349

Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.9	29.9#





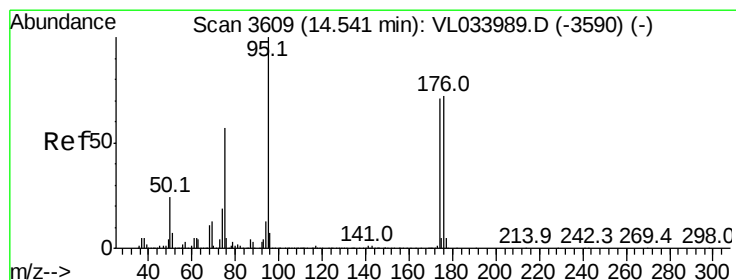
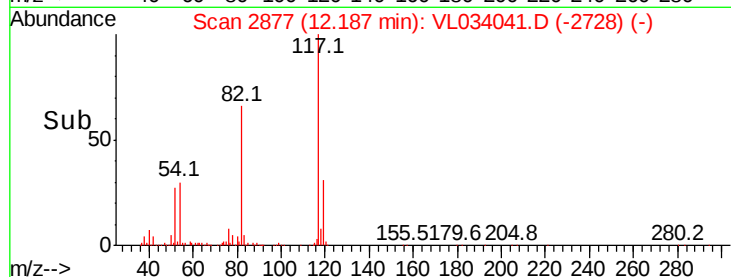
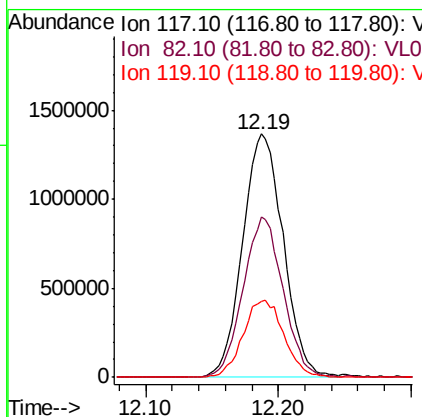
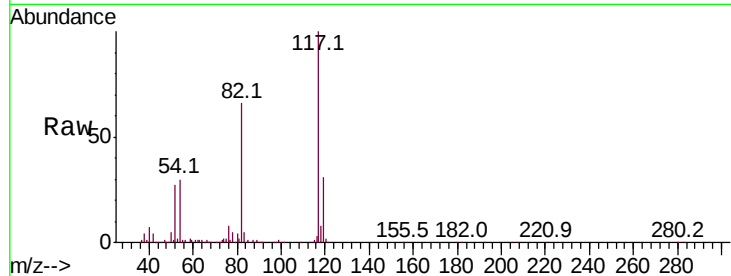
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.19 min Scan# 2877
Delta R.T. -0.02 min
Lab File: VL034041.D
Acq: 17 Jul 2019 21:12

Instrument :
MSVOA_L
ClientSampleId :
SG-1DL2

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.3	50.8	76.2
119	32.0	24.0	36.0

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.167 ppbv
RT: 14.52 min Scan# 3604
Delta R.T. -0.02 min
Lab File: VL034041.D
Acq: 17 Jul 2019 21:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.0	60.5	90.7
175	5.1	4.0	6.0

