

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL123019\
 Data File : VL034536.D
 Acq On : 31 Dec 2019 7:03
 Operator : SY/AP
 Sample : K6470-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 29-2DL

Manual Integrations
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Quant Time: Dec 31 08:38:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 31 2019
 QLast Update : Mon Dec 30 14:58:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1031458	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	2109702	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2027949	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1683891	9.95	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	20329m	0.429	ppbv	
13) Ethanol	3.58	45	580610	44.165	ppbv	99
15) Acetone	3.84	43	181834	1.208	ppbv	98
20) Methylene Chloride	4.33	84	13513m	0.228	ppbv	
34) 2-Butanone	5.25	43	15078m	0.100	ppbv	
53) Toluene	9.84	91	22771	0.113	ppbv	97
59) m/p-Xylene	13.02	91	26030m	0.109	ppbv	

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

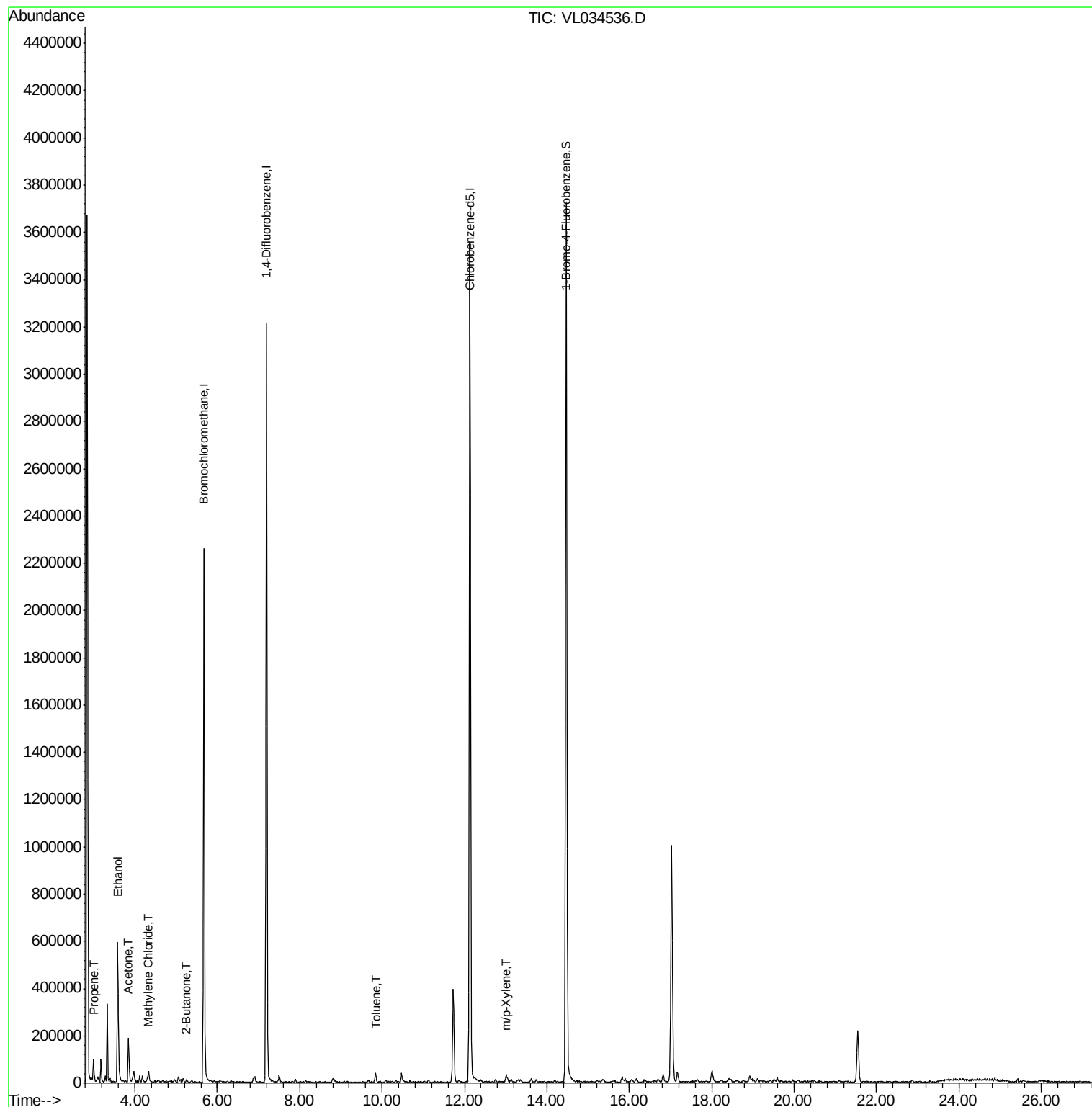
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL123019\
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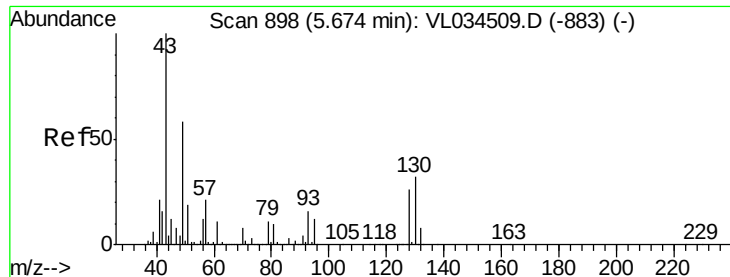
Instrument :
MSVOA_L
ClientSampleId :
29-2DL

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec
QLast Update : Mon Dec 30 14:58:50 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL034536.D

Acq: 31 Dec 2019 7:03

Instrument :

MSVOA_L

ClientSampled :

29-2DL

Tot Ion: 49 Resp: 1031458

Ion Ratio Lower Upper

49 100

128 45.0 22.4 67.2

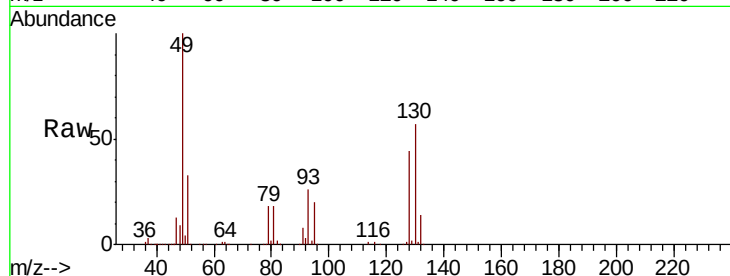
130 57.0 28.3 85.0

Manual Integrations

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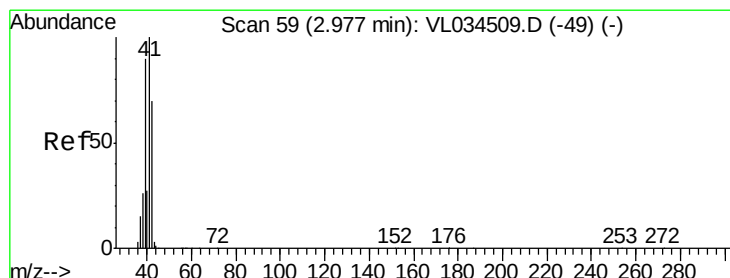
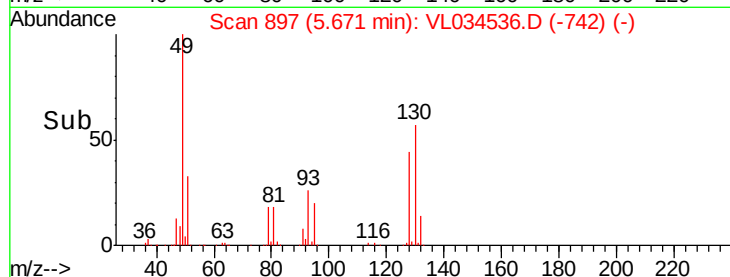
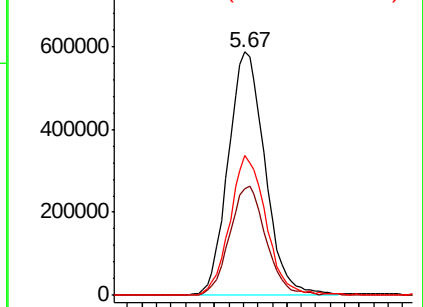
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.429 ppbv m

RT: 2.99 min Scan# 64

Delta R.T. 0.02 min

Lab File: VL034536.D

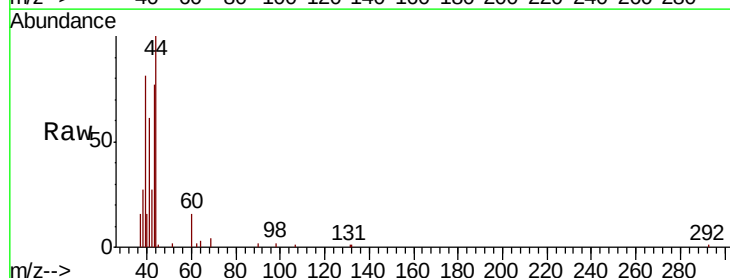
Acq: 31 Dec 2019 7:03

Tgt Ion: 41 Resp: 20329

Ion Ratio Lower Upper

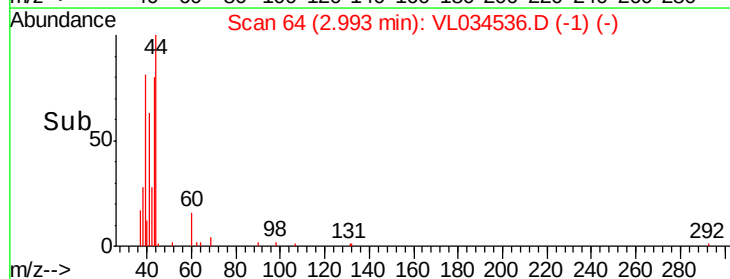
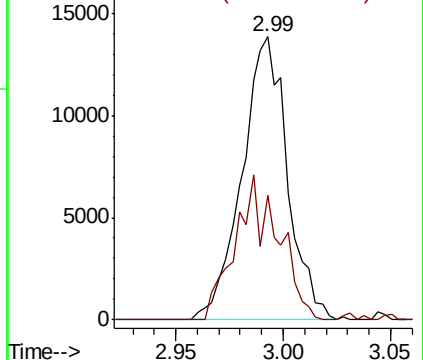
41 100

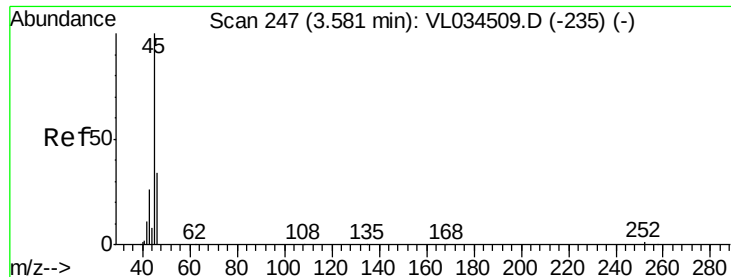
42 76.7 55.8 83.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





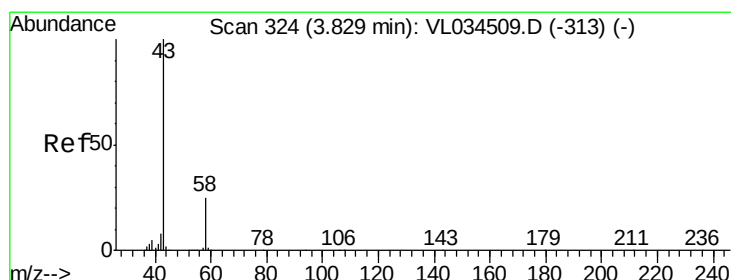
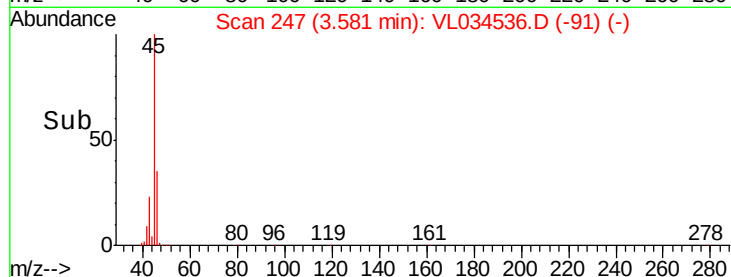
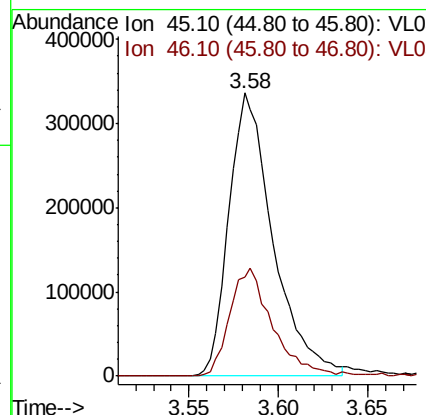
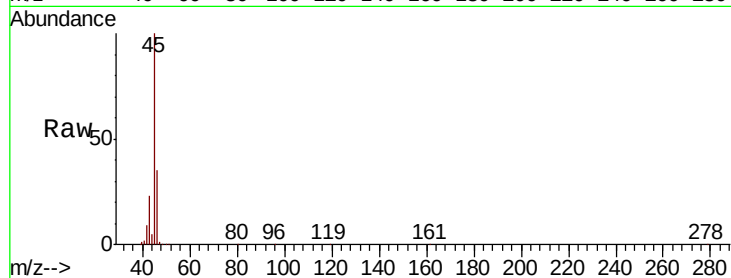
#13
Ethanol
Concen: 44.165 ppbv
RT: 3.58 min Scan# 247
Delta R.T. 0.00 min
Lab File: VL034536.D
Acq: 31 Dec 2019 7:03

Instrument :
MSVOA_L
ClientSampled :
29-2DL

Tot Ion	Ratio	Lower	Upper
45	100		
46	37.7	14.9	59.7

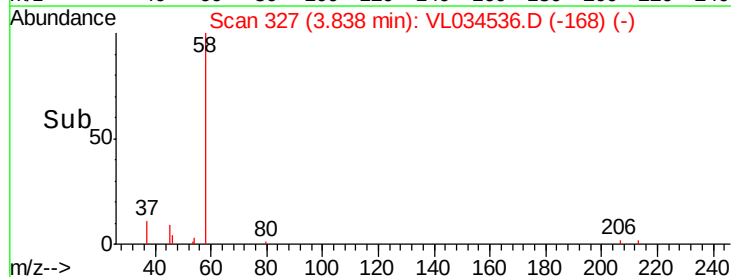
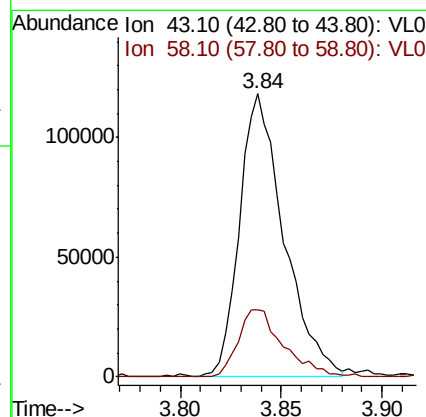
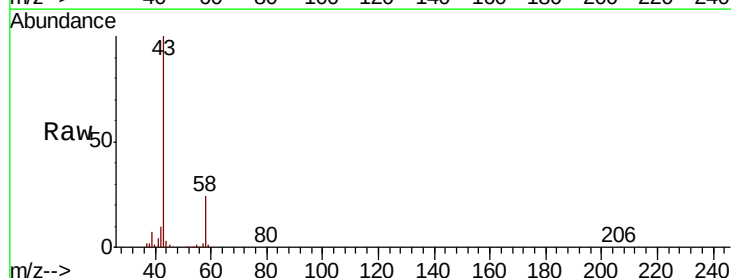
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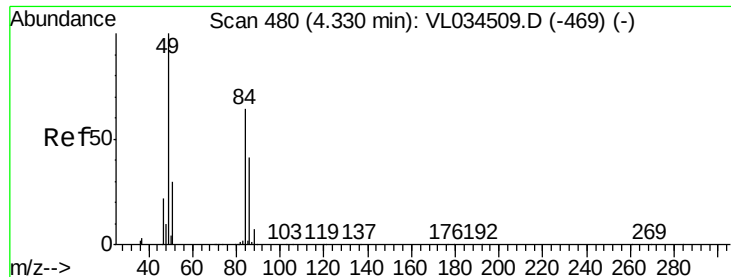
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#15
Acetone
Concen: 1.208 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.01 min
Lab File: VL034536.D
Acq: 31 Dec 2019 7:03

Tgt Ion	Ratio	Lower	Upper
43	100		
58	24.6	20.4	30.6





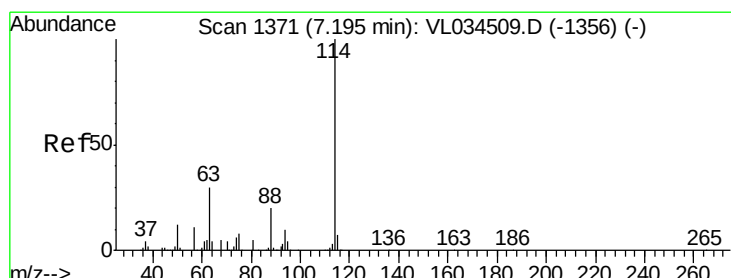
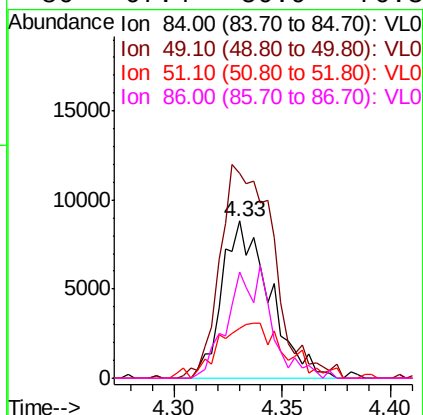
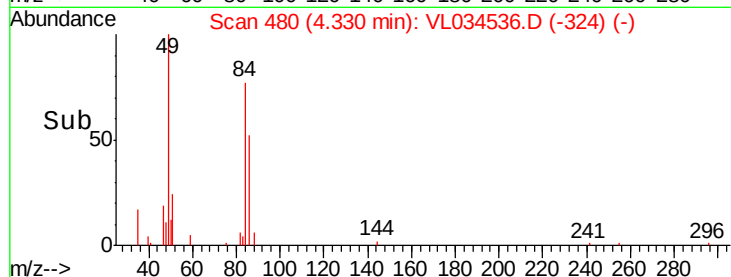
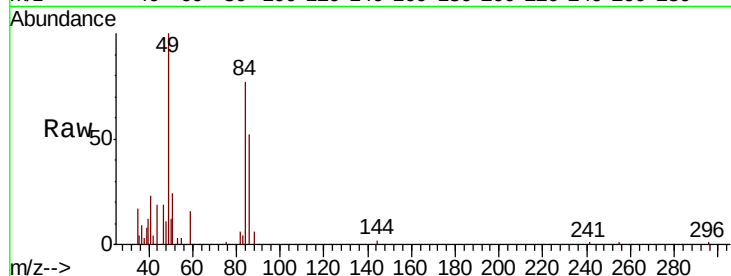
#20
Methylene Chloride
Concen: 0.228 ppbv m
RT: 4.33 min Scan# 480
Delta R.T. 0.00 min
Lab File: VL034536.D
Acq: 31 Dec 2019 7:03

Instrument :
MSVOA_L
ClientSampled :
29-2DL

Tot Ion:	84	Resp:	13513
Ion	Ratio	Lower	Upper
84	100		
49	130.0	124.4	186.6
51	31.7	37.0	55.6#
86	67.4	50.9	76.3

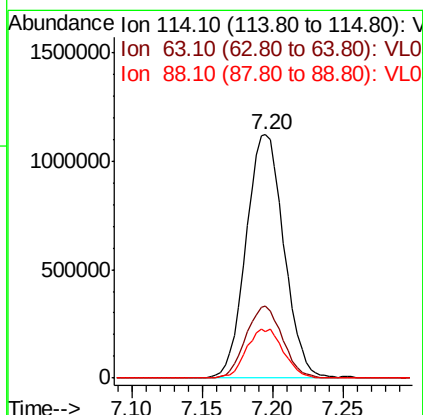
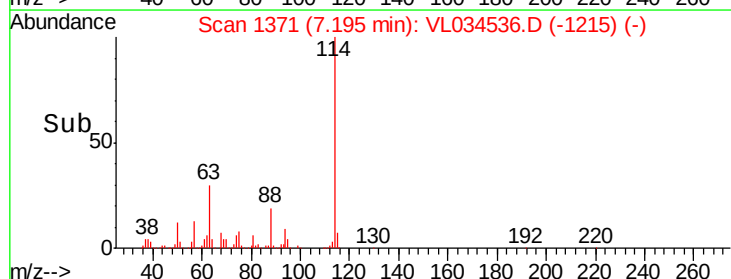
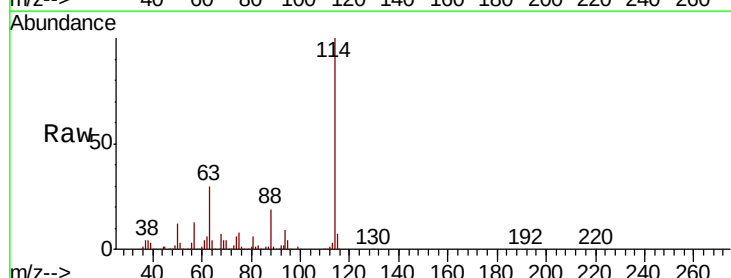
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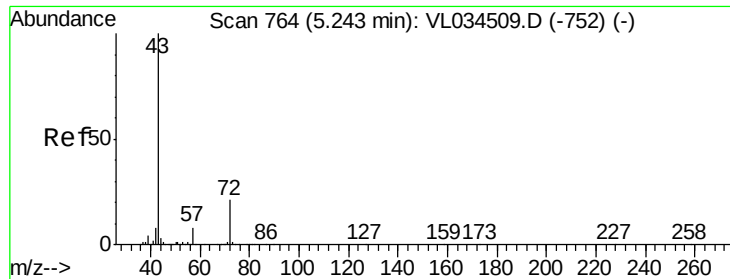
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1371
Delta R.T. 0.00 min
Lab File: VL034536.D
Acq: 31 Dec 2019 7:03

Tgt Ion:	114	Resp:	2109702
Ion	Ratio	Lower	Upper
114	100		
63	28.7	24.1	36.1
88	19.8	15.7	23.5





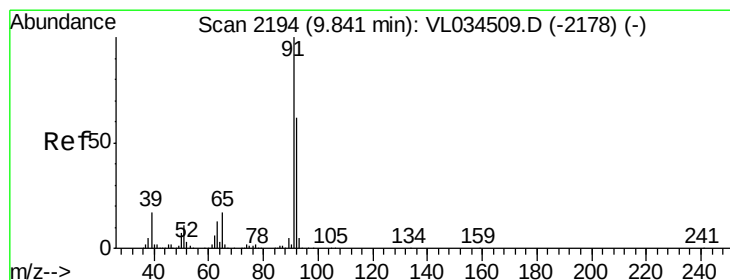
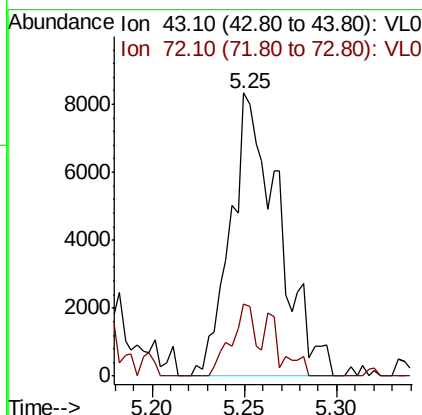
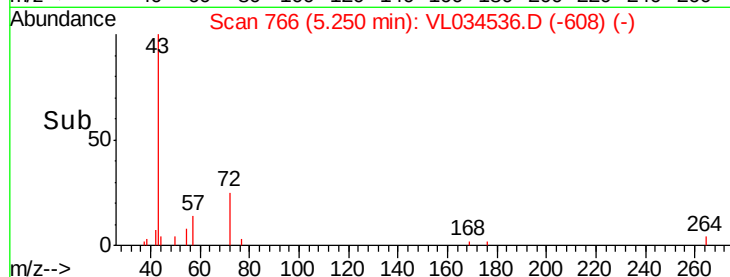
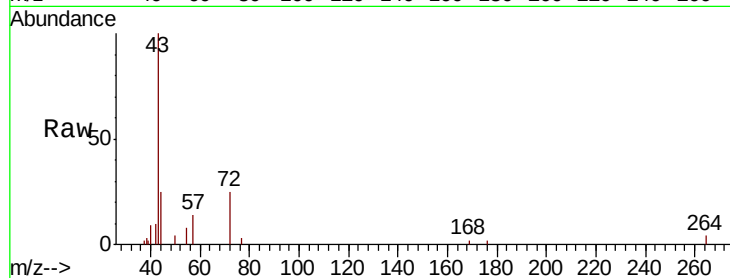
#34
 2-Butanone
 Concen: 0.100 ppbv m
 RT: 5.25 min Scan# 766
 Delta R.T. 0.01 min
 Lab File: VL034536.D
 Acq: 31 Dec 2019 7:03

Instrument :
 MSVOA_L
 ClientSampleId :
 29-2DL

Tot Ion: 43 Resp: 15078
 Ion Ratio Lower Upper
 43 100
 72 20.5 17.0 25.4

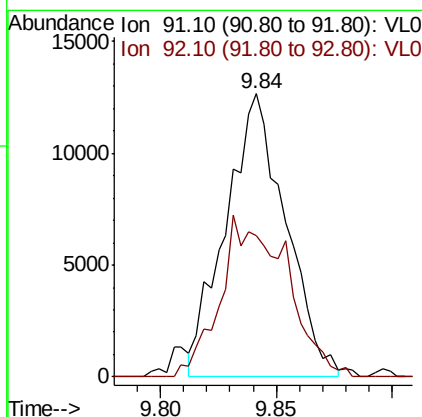
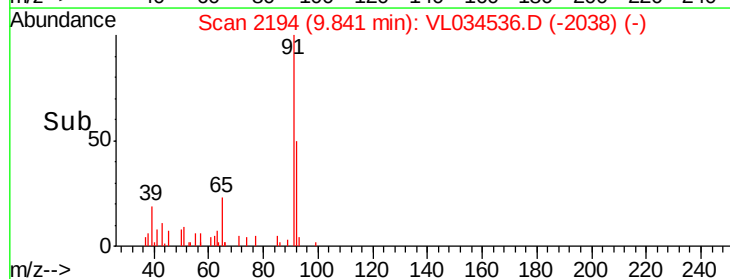
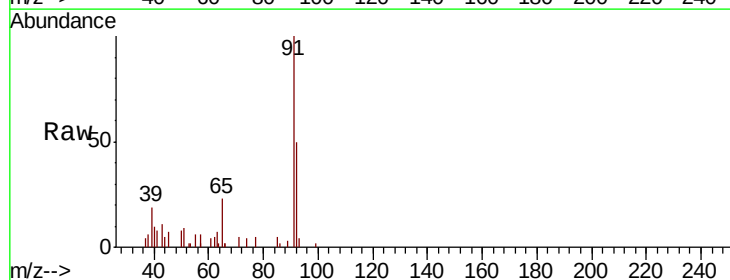
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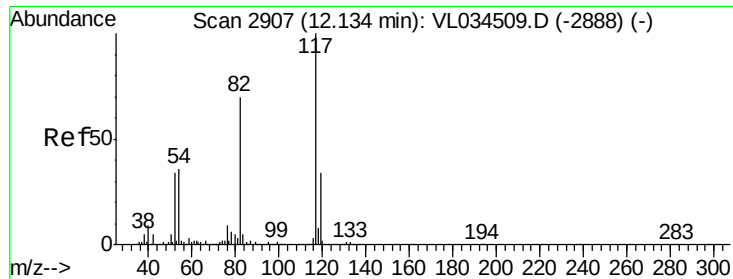
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#53
 Toluene
 Concen: 0.113 ppbv
 RT: 9.84 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VL034536.D
 Acq: 31 Dec 2019 7:03

Tgt Ion: 91 Resp: 22771
 Ion Ratio Lower Upper
 91 100
 92 62.5 48.4 72.6





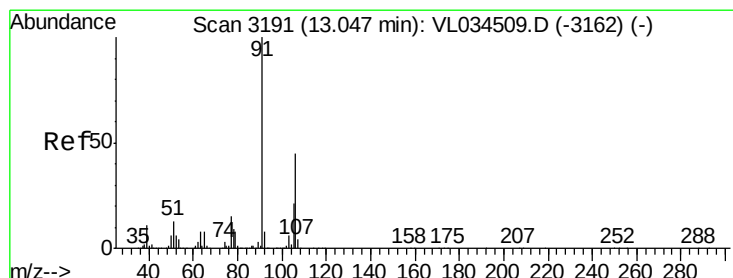
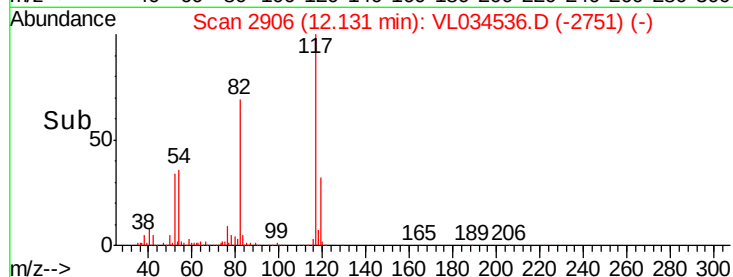
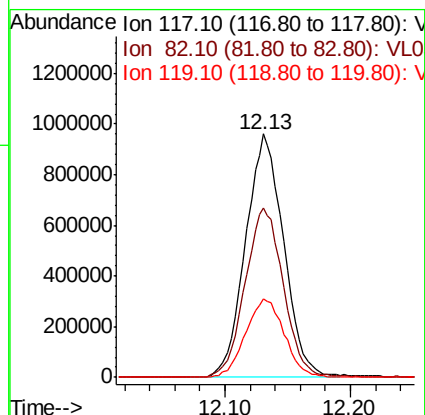
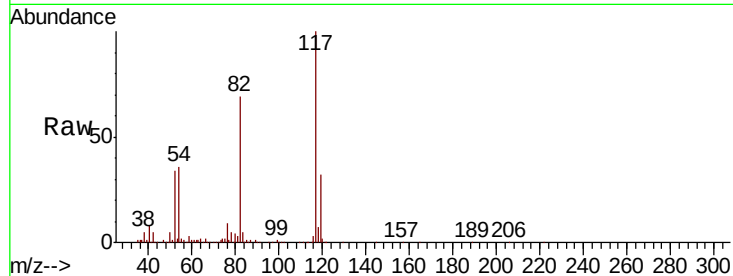
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. -0.00 min
Lab File: VL034536.D
Acq: 31 Dec 2019 7:03

Instrument :
MSVOA_L
ClientSampleId :
29-2DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	70.2	56.2	84.4
119	33.0	27.1	40.7

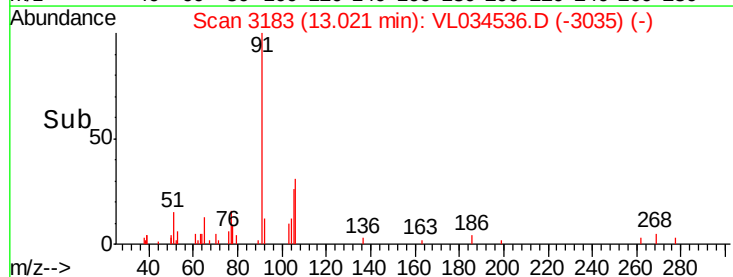
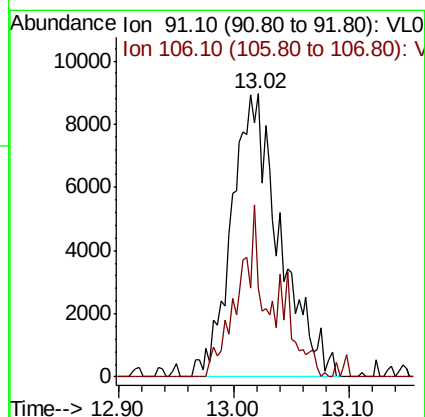
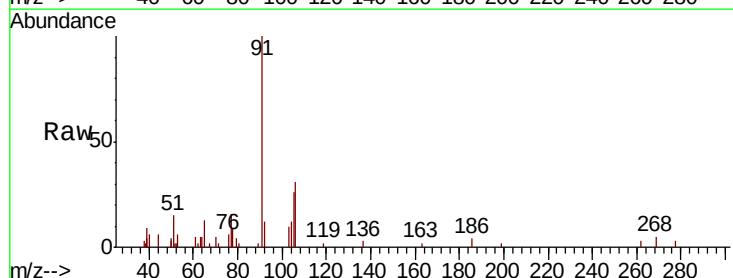
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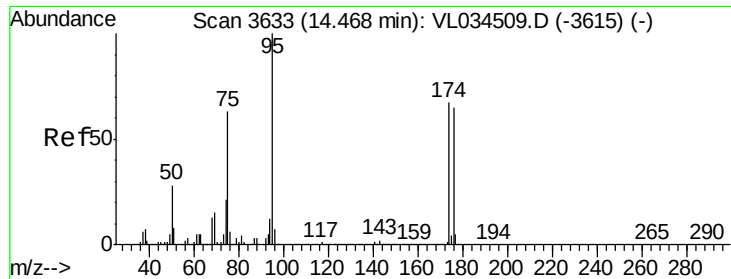
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#59
m/p-Xylene
Concen: 0.109 ppbv m
RT: 13.02 min Scan# 3183
Delta R.T. -0.03 min
Lab File: VL034536.D
Acq: 31 Dec 2019 7:03

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.6	53.4#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.951 ppbv
 RT: 14.47 min Scan# 3633
 Delta R.T. 0.00 min
 Lab File: VL034536.D
 Acq: 31 Dec 2019 7:03

Instrument :
 MSVOA_L
 ClientSampleId :
 29-2DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	65.9	52.4	78.6
175	4.7	3.9	5.9

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