

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL123019\
 Data File : VL034540.D
 Acq On : 31 Dec 2019 9:41
 Operator : SY/AP
 Sample : K6470-06DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 44-2DL

Manual Integrations
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Quant Time: Dec 31 16:23:55 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 16:23:55 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	1004112	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	2006552	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	1931259	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1611243	10.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.96	51	62852	0.525	ppbv	94
9) Propene	2.99	41	18719m	0.406	ppbv	
13) Ethanol	3.58	45	98075m	7.663	ppbv	
15) Acetone	3.84	43	198572	1.355	ppbv	97
19) Isopropyl Alcohol	3.96	45	76604m	0.808	ppbv	
20) Methylene Chloride	4.33	84	17725m	0.307	ppbv	
34) 2-Butanone	5.25	43	52438m	0.366	ppbv	
53) Toluene	9.84	91	35461	0.185	ppbv	99

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

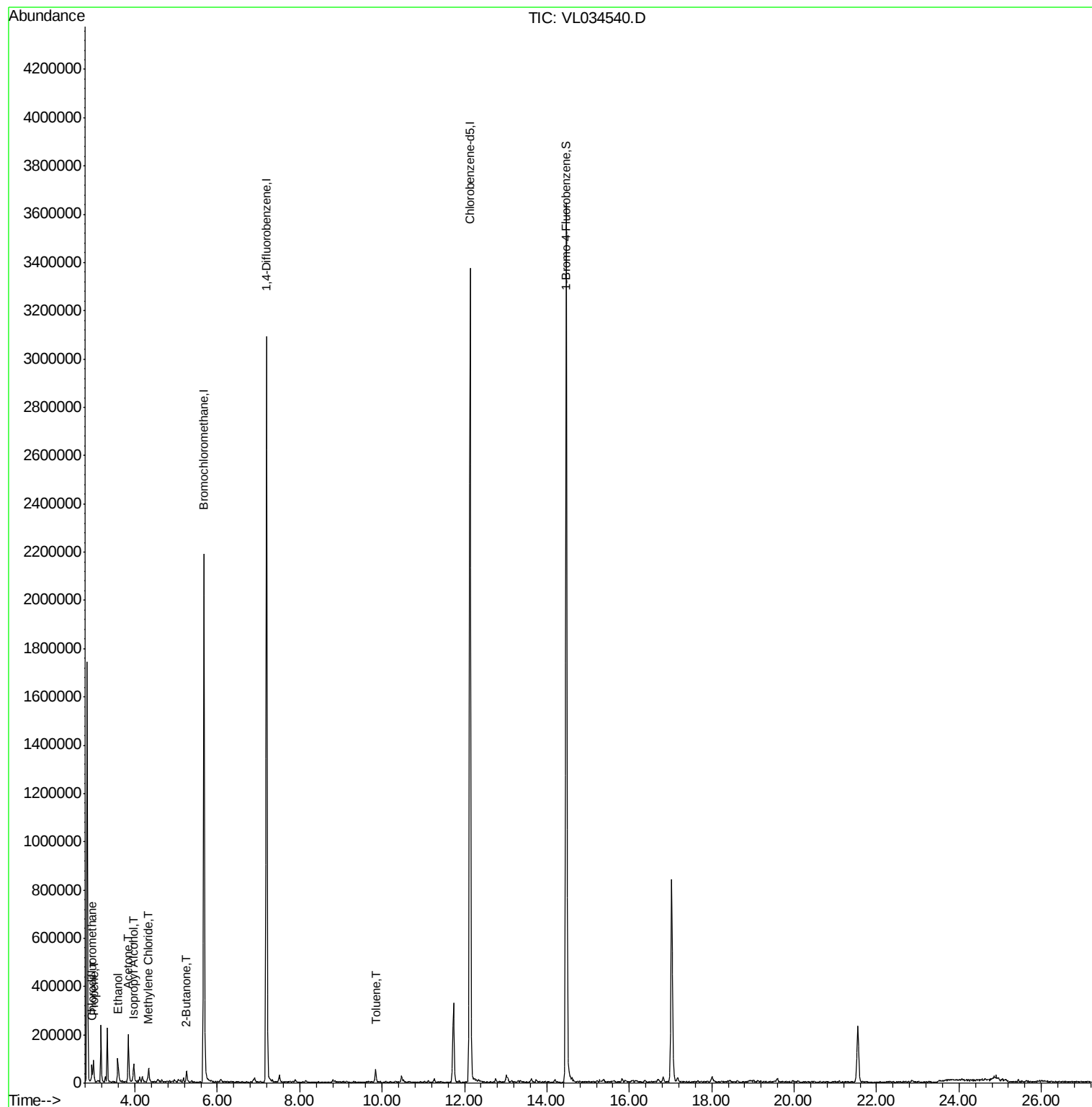
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL123019\
Data File : VL034540.D
Acq On : 31 Dec 2019 9:41
Operator : SY/AP
Sample : K6470-06DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

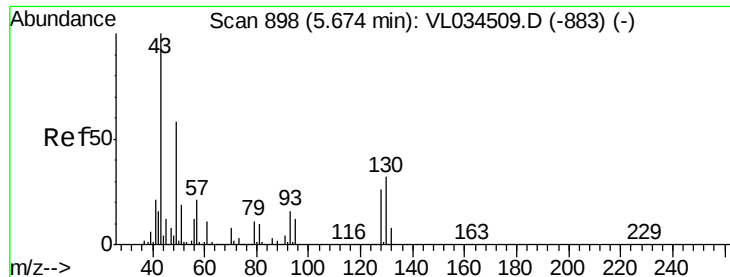
Instrument :
MSVOA_L
ClientSampleId :
44-2DL

Manual Integrations
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Quant Time: Dec 31 16:23:55 2019
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: VL034540.D

Acq: 31 Dec 2019 9:41

Instrument :

MSVOA_L

ClientSampled :

44-2DL

Tot Ion: 49 Resp: 1004112

Ion Ratio Lower Upper

49 100

128 44.2 22.4 67.2

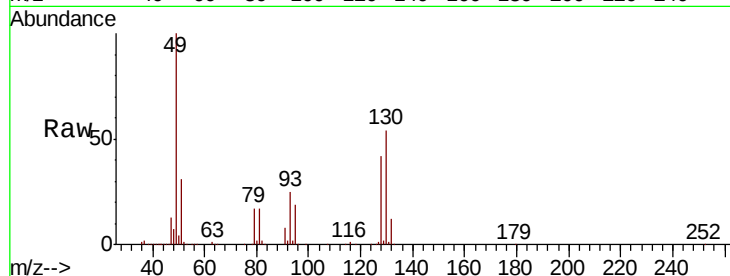
130 56.5 28.3 85.0

Manual Integrations

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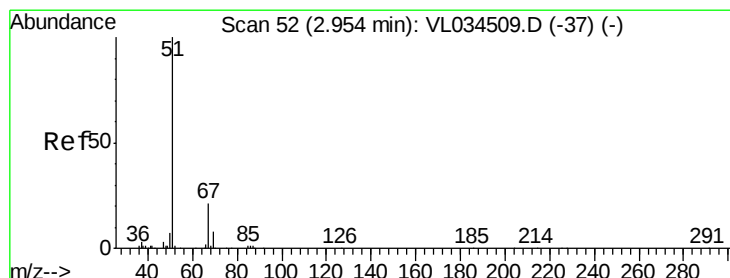
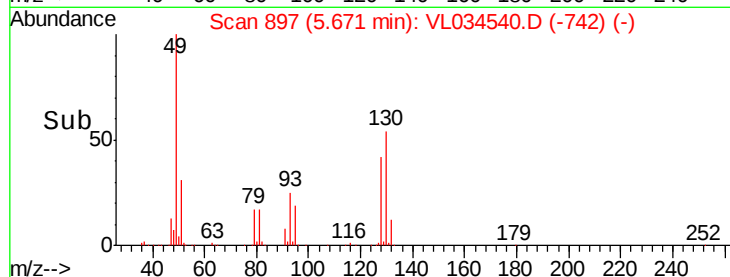
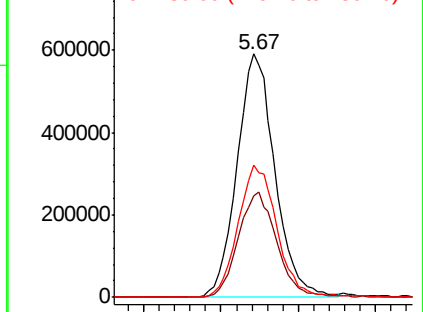
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#3

Chlorodifluoromethane

Concen: 0.525 ppbv

RT: 2.96 min Scan# 53

Delta R.T. 0.00 min

Lab File: VL034540.D

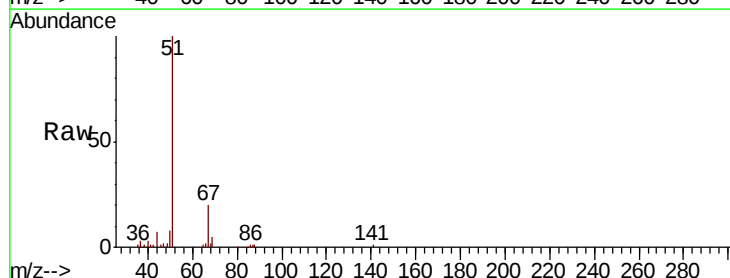
Acq: 31 Dec 2019 9:41

Tgt Ion: 51 Resp: 62852

Ion Ratio Lower Upper

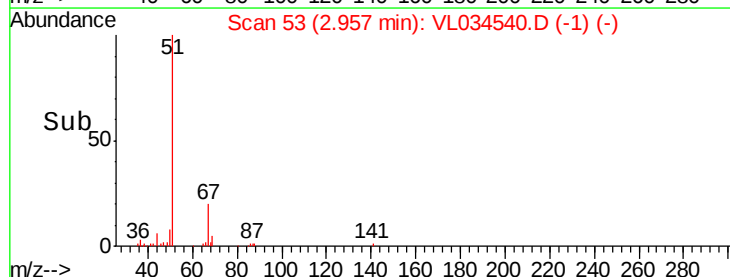
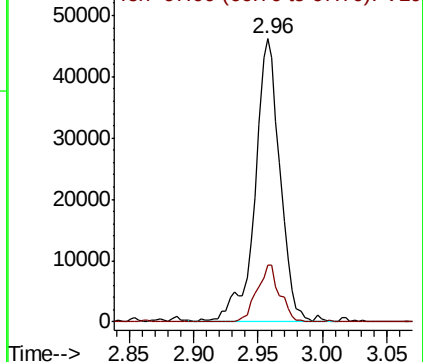
51 100

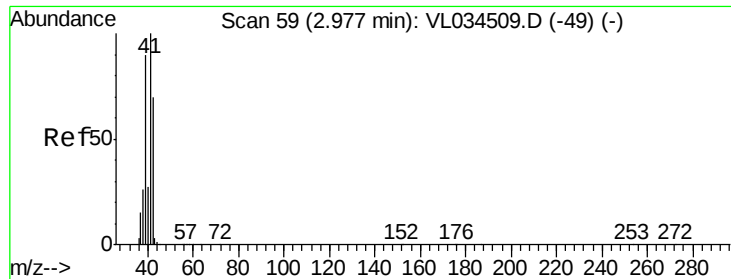
67 18.2 16.8 25.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





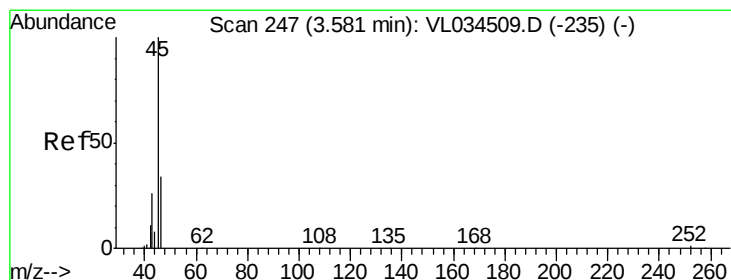
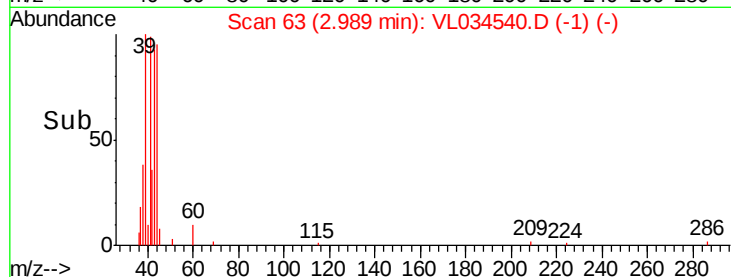
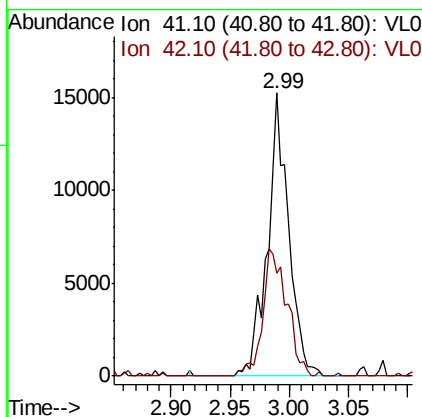
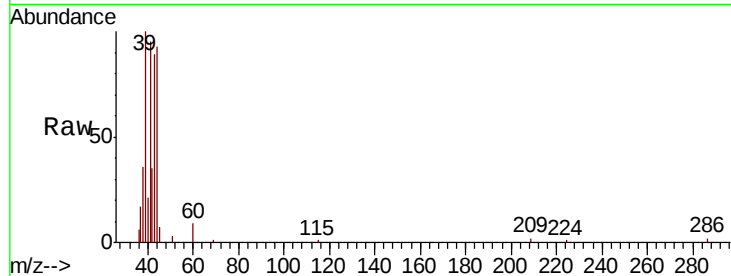
#9
 Propene
 Concen: 0.406 ppbv m
 RT: 2.99 min Scan# 63
 Delta R.T. 0.01 min
 Lab File: VL034540.D
 Acq: 31 Dec 2019 9:41

Instrument :
 MSVOA_L
 ClientSampled :
 44-2DL

Tot Ion	41	Resp	18719
Ion Ratio	100	Lower	Upper
42	211.4	55.8	83.6#

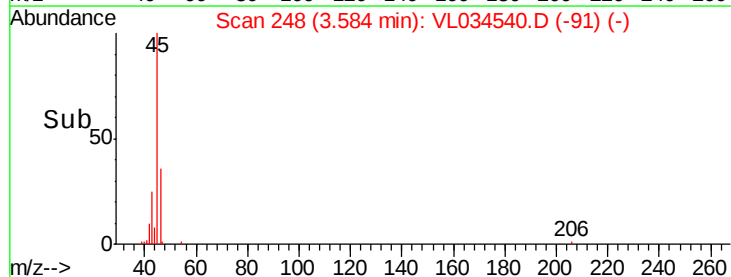
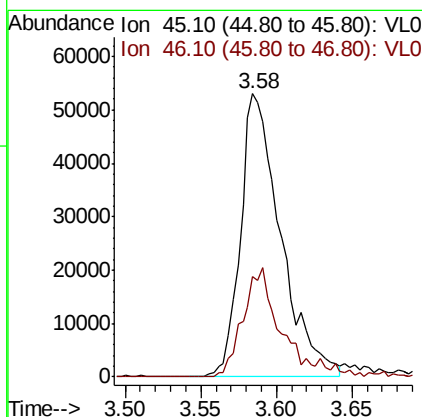
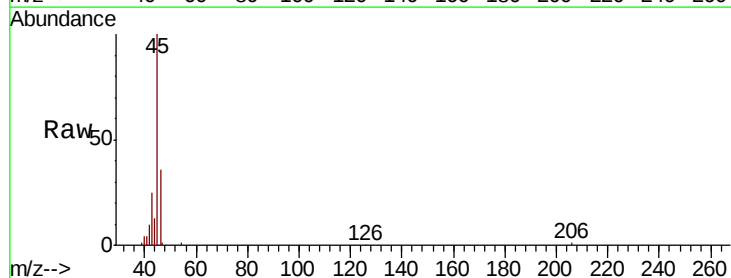
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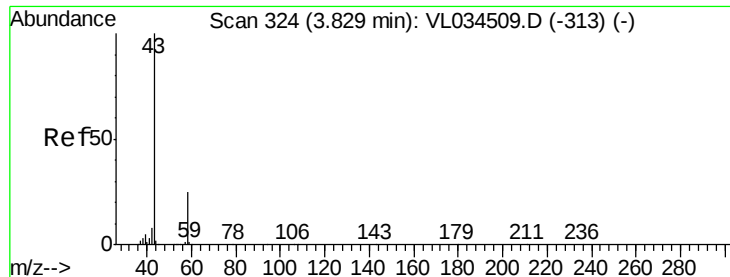
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#13
 Ethanol
 Concen: 7.663 ppbv m
 RT: 3.58 min Scan# 248
 Delta R.T. 0.00 min
 Lab File: VL034540.D
 Acq: 31 Dec 2019 9:41

Tgt Ion	45	Resp	98075
Ion Ratio	100	Lower	Upper
46	38.3	14.9	59.7





#15

Acetone

Concen: 1.355 ppbv

RT: 3.84 min Scan# 326

Delta R.T. 0.01 min

Lab File: VL034540.D

Acq: 31 Dec 2019 9:41

Instrument :

MSVOA_L

ClientSampleId :

44-2DL

Tot Ion: 43 Resp: 198572

Ion Ratio Lower Upper

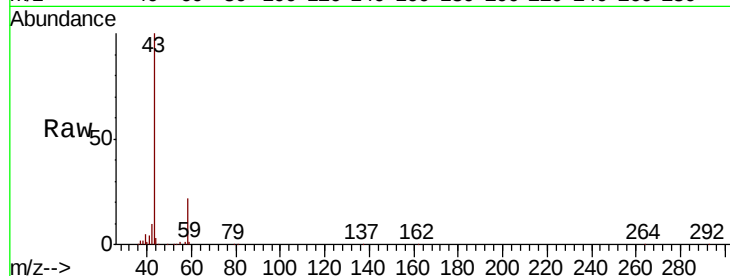
43 100

58 24.0 20.4 30.6

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.84

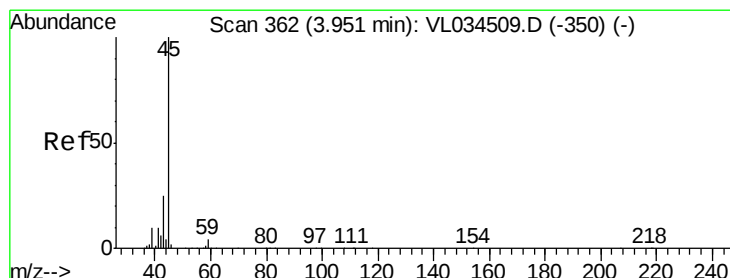
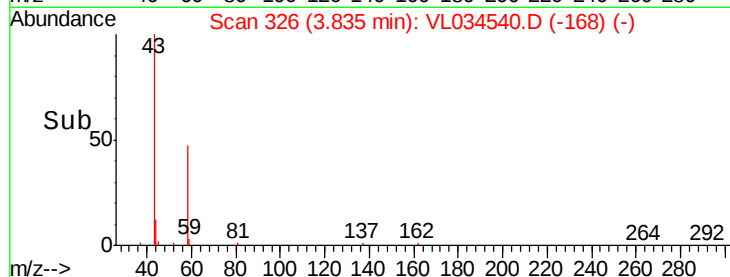
150000

100000

50000

0

Time-->



#19

Isopropyl Alcohol

Concen: 0.808 ppbv m

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VL034540.D

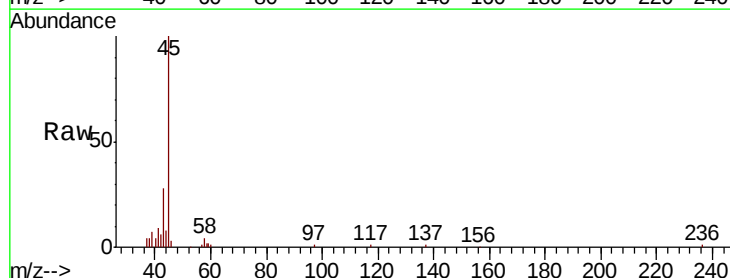
Acq: 31 Dec 2019 9:41

Tgt Ion: 45 Resp: 76604

Ion Ratio Lower Upper

45 100

58 0.0 1.4 2.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.96

40000

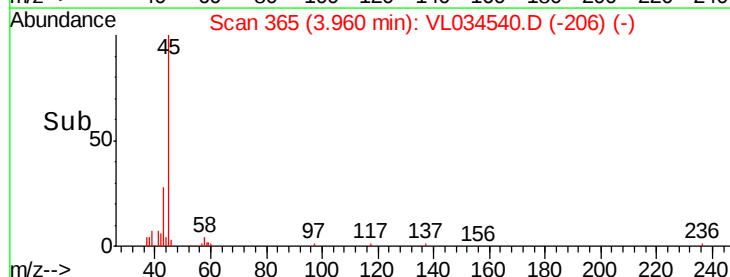
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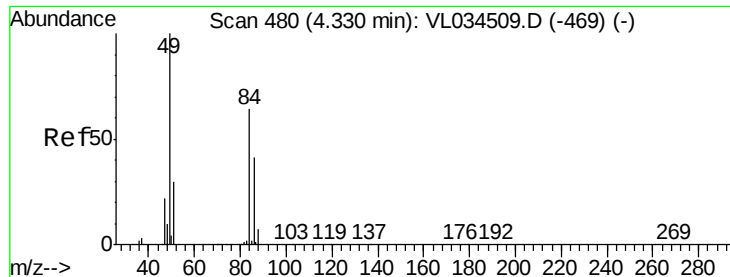
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Time-->





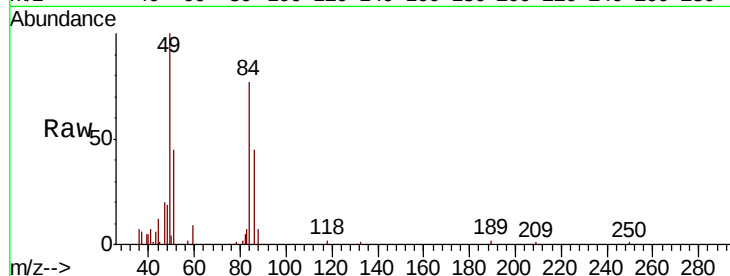
#20
Methvlene Chloride
Concen: 0.307 ppbv
RT: 4.33 min Scan# 481
Delta R.T. 0.00 min
Lab File: VL034540.D
Acq: 31 Dec 2019 9:41

Instrument :
MSVOA_L
ClientSampleId :
44-2DL

Tot Ion	84	Resp	17725
Ion	Ratio	Lower	Upper
84	100		
49	130.0	124.4	186.6
51	58.2	37.0	55.6#
86	58.0	50.9	76.3

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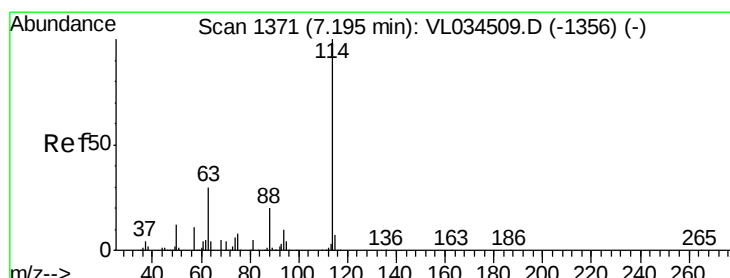
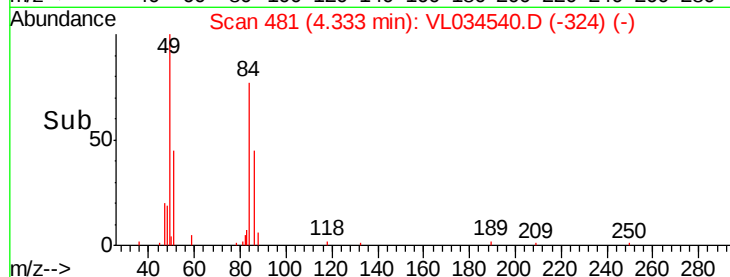
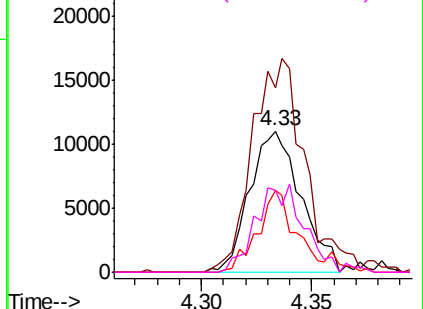
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

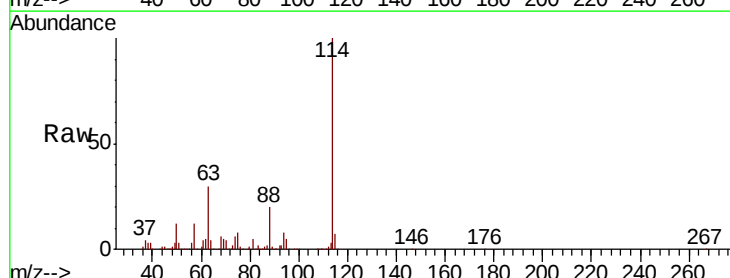
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1371
Delta R.T. 0.00 min
Lab File: VL034540.D
Acq: 31 Dec 2019 9:41

Tgt Ion	114	Resp	2006552
Ion	Ratio	Lower	Upper
114	100		
63	29.2	24.1	36.1
88	19.4	15.7	23.5

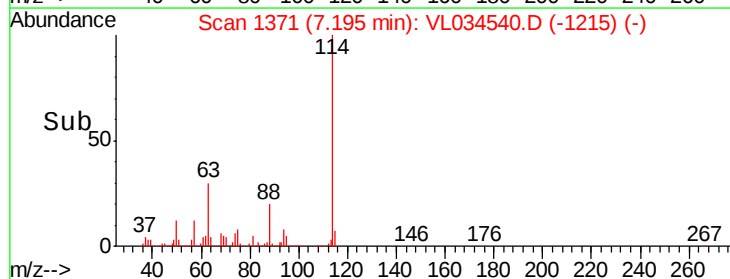
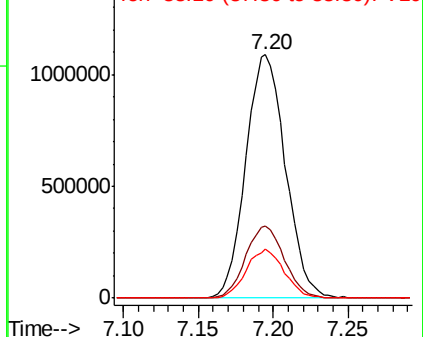


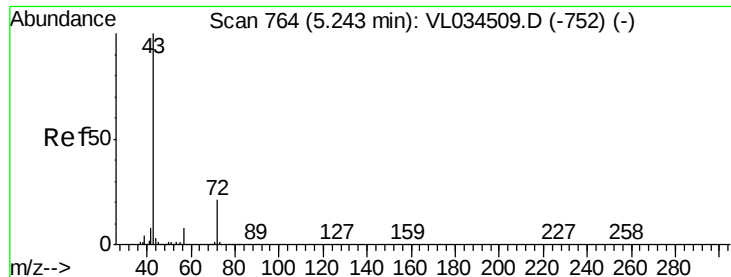
Abundance

Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





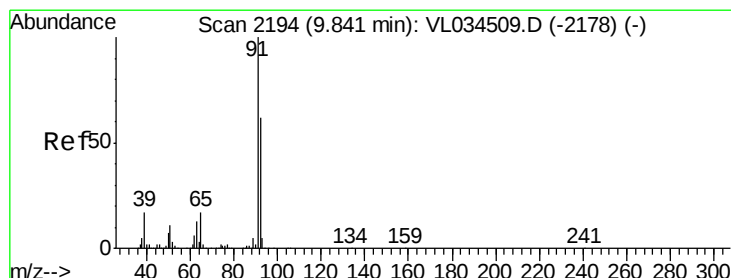
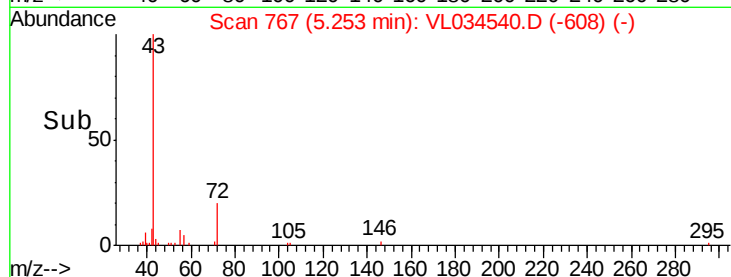
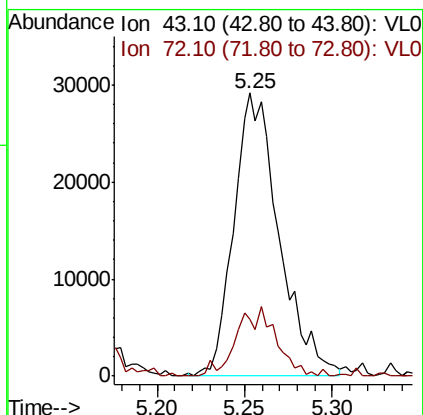
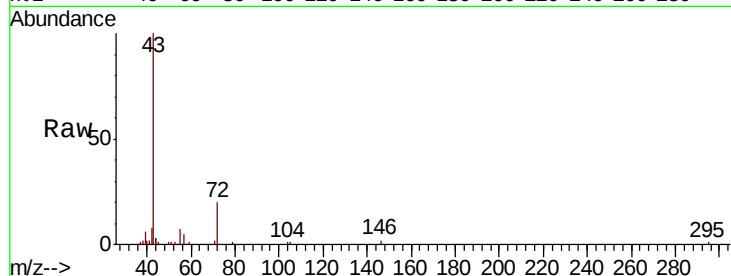
#34
2-Butanone
Concen: 0.366 ppbv m
RT: 5.25 min Scan# 767
Delta R.T. 0.01 min
Lab File: VL034540.D
Acq: 31 Dec 2019 9:41

Instrument :
MSVOA_L
ClientSampled :
44-2DL

Tot Ion: 43 Resp: 52438
Ion Ratio Lower Upper
43 100
72 21.4 17.0 25.4

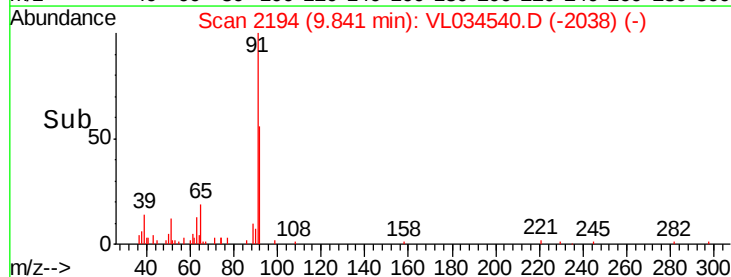
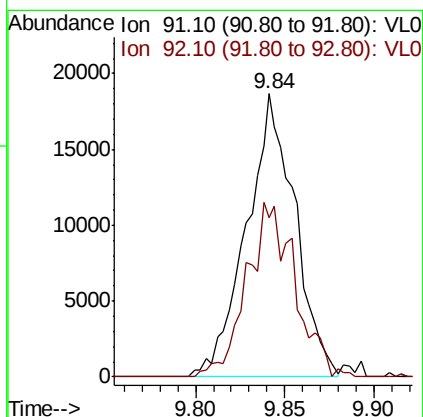
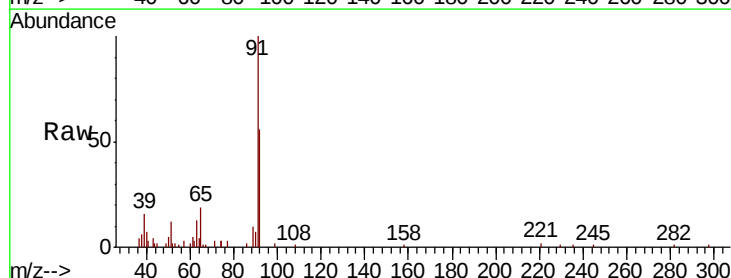
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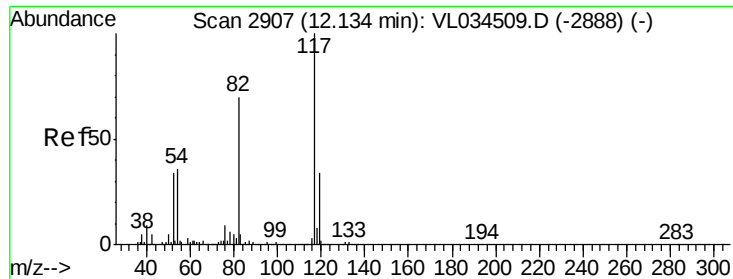
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#53
Toluene
Concen: 0.185 ppbv
RT: 9.84 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VL034540.D
Acq: 31 Dec 2019 9:41

Tgt Ion: 91 Resp: 35461
Ion Ratio Lower Upper
91 100
92 61.2 48.4 72.6





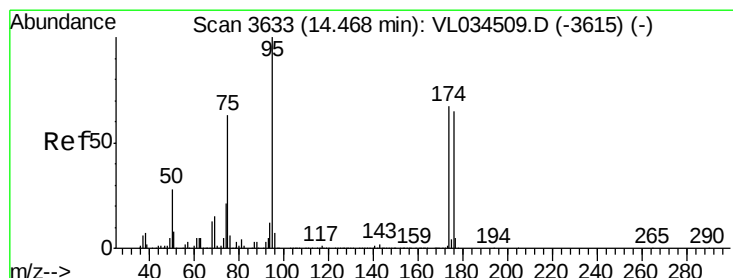
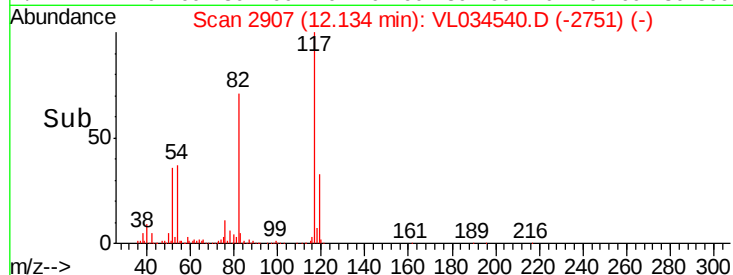
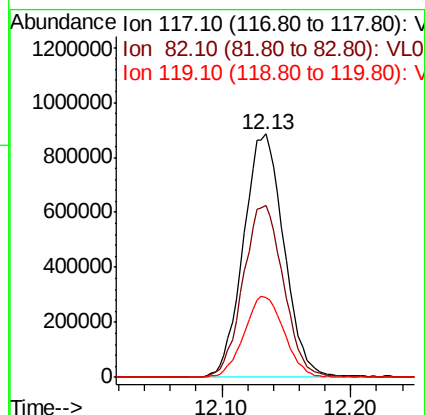
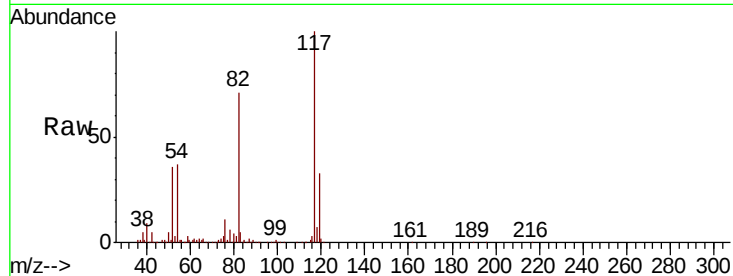
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VL034540.D
Acq: 31 Dec 2019 9:41

Instrument :
MSVOA_L
ClientSampled :
44-2DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	70.9	56.2	84.4
119	33.3	27.1	40.7

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.998 ppbv
RT: 14.47 min Scan# 3634
Delta R.T. 0.00 min
Lab File: VL034540.D
Acq: 31 Dec 2019 9:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	66.0	52.4	78.6
175	4.9	3.9	5.9

