

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032320\
 Data File : VL034932.D
 Acq On : 23 Mar 2020 16:43
 Operator : SY/AP
 Sample : L2004-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AIR-01DL

Manual Integrations
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 3/25/2020 11:54:21 AM

Quant Time: Mar 24 03:54:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Mar 0
 QLast Update : Mon Mar 09 16:42:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1076689	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2299437	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2332415	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1898498	10.44	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.94	51	29758m	0.247	ppbv	
9) Propene	2.98	41	9158	0.159	ppbv #	75
13) Ethanol	3.57	45	203718	11.669	ppbv	96
15) Acetone	3.82	43	192324	1.378	ppbv	93
17) tert-Butyl alcohol	4.29	59	20359m	0.151	ppbv	
19) Isopropyl Alcohol	3.95	45	52960	0.601	ppbv #	46
20) Methylene Chloride	4.32	84	91911	2.083	ppbv	96
26) Hexane	5.67	57	55531	0.519	ppbv #	43
29) Chloroform	5.74	83	108490	0.664	ppbv	97
38) Trichloroethene	7.83	130	591371	7.597	ppbv	93

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

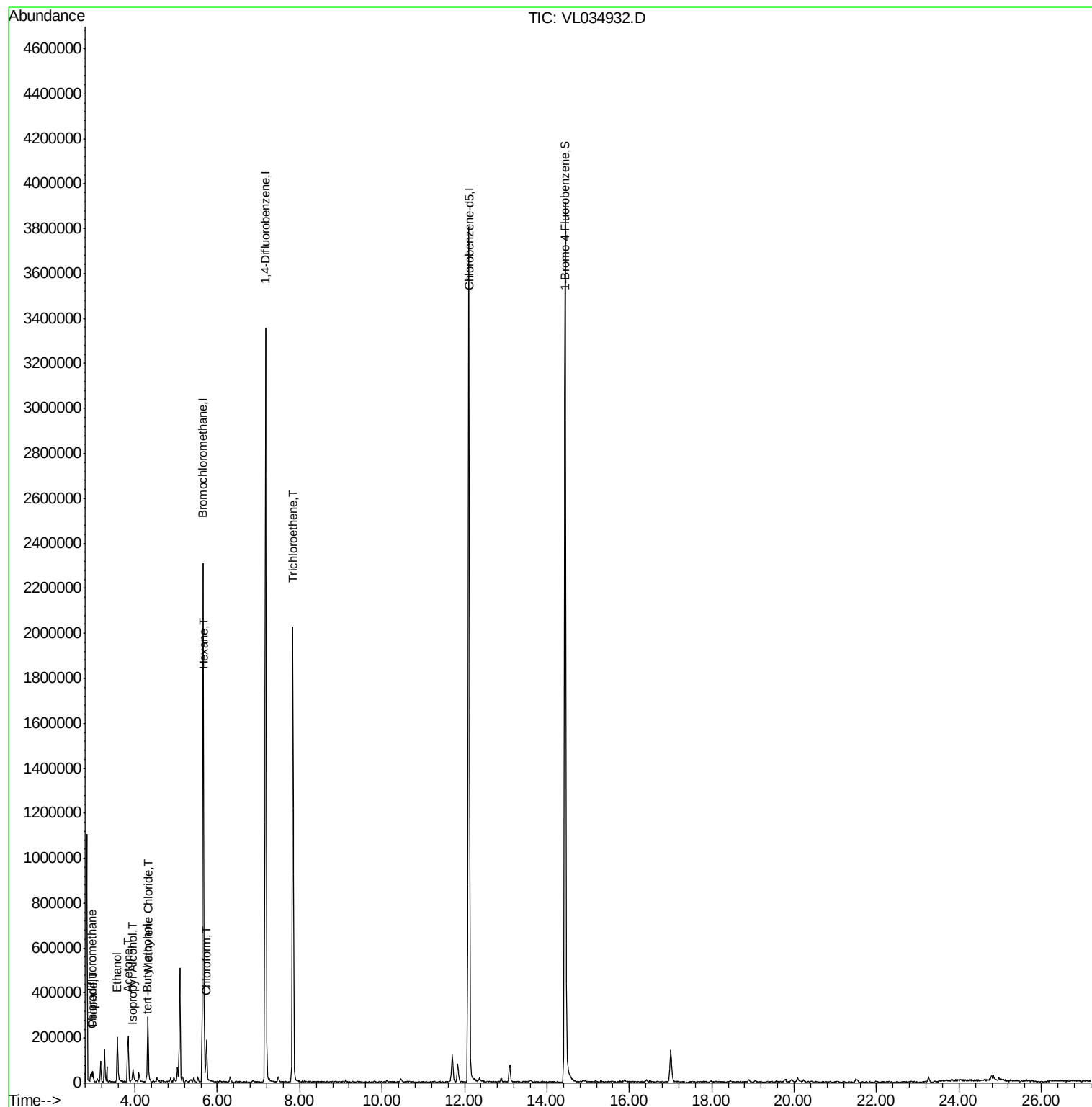
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032320\
Data File : VL034932.D
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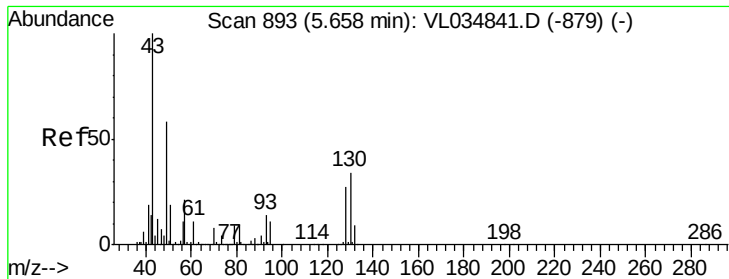
Instrument :
MSVOA_L
ClientSampleId :
AIR-01DL

Manual Integrations
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3/25/2020 11:54:21 AM

Quant Time: Mar 24 03:54:26 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.01 min

Lab File: VL034932.D

Acq: 23 Mar 2020 16:43

Instrument :

MSVOA_L

ClientSampleId :

AIR-01DL

Tot Ion: 49 Resp: 1076689

Ion Ratio Lower Upper

49 100

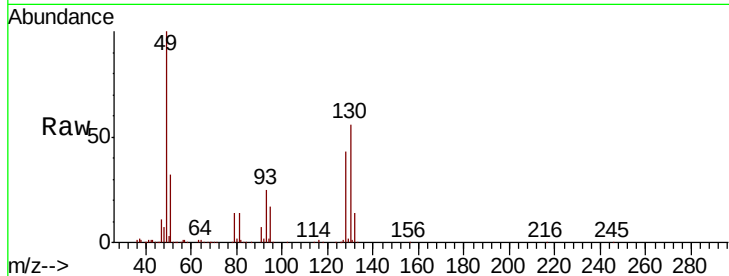
128 45.4 23.4 70.3

130 58.2 30.0 90.0

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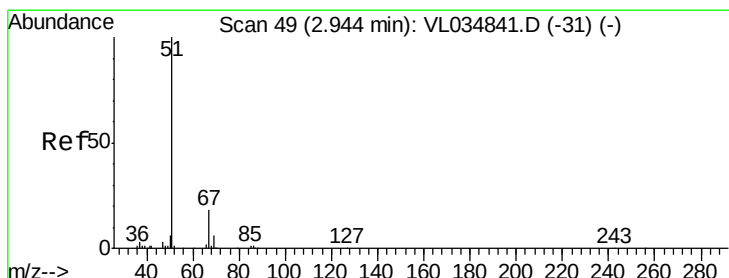
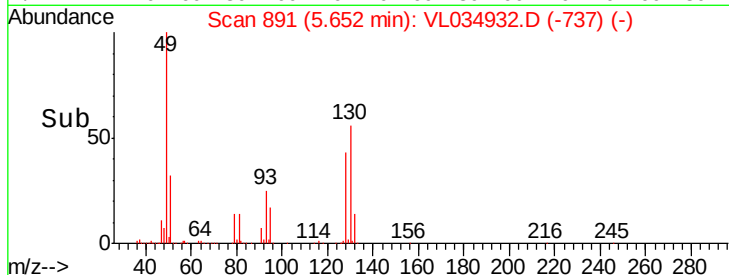
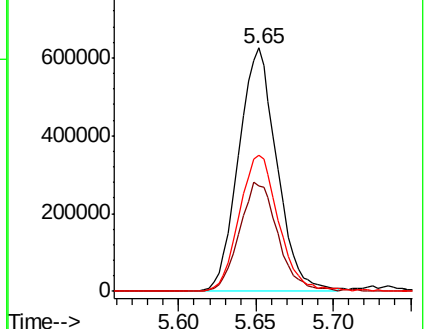
3/25/2020 11:54:21 AM



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: 0.247 ppbv m

RT: 2.94 min Scan# 49

Delta R.T. 0.00 min

Lab File: VL034932.D

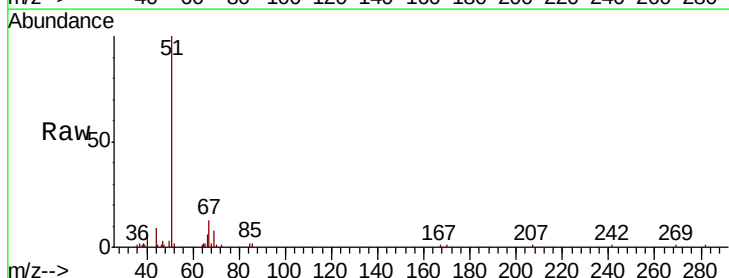
Acq: 23 Mar 2020 16:43

Tgt Ion: 51 Resp: 29758

Ion Ratio Lower Upper

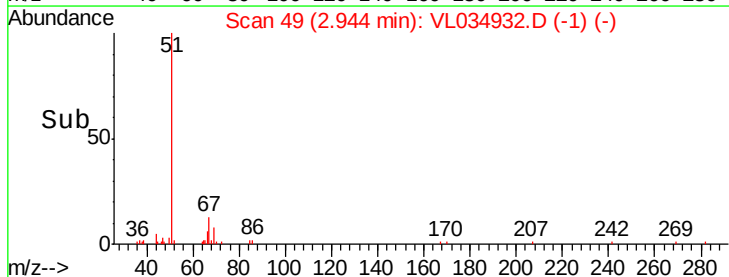
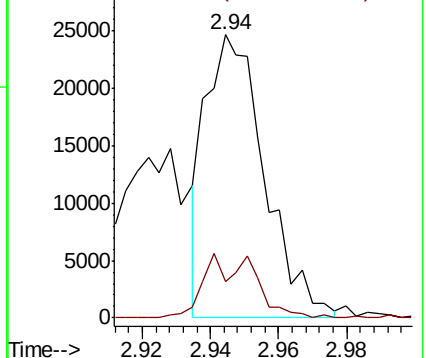
51 100

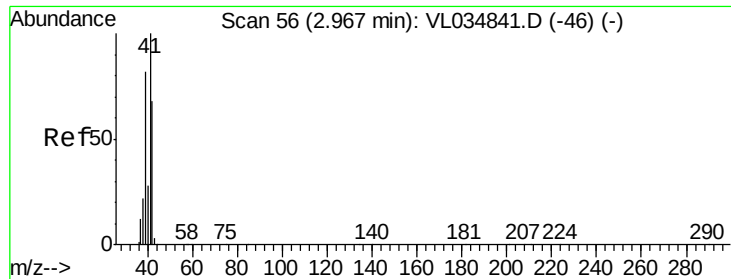
67 19.2 14.3 21.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





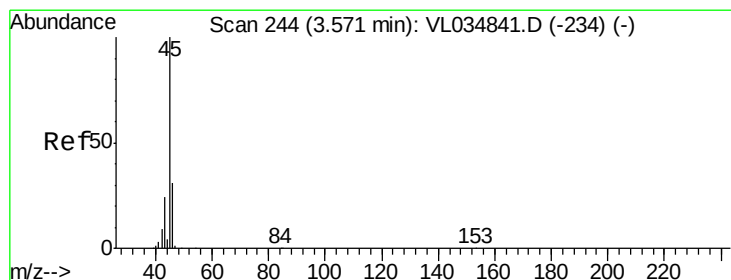
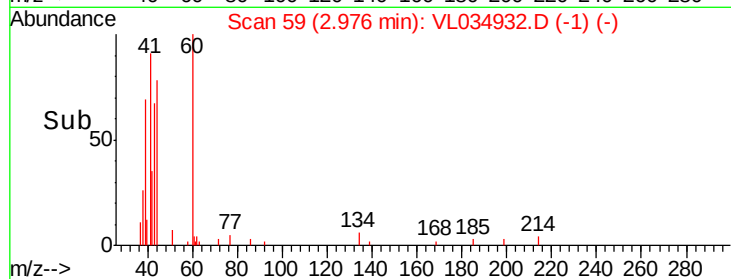
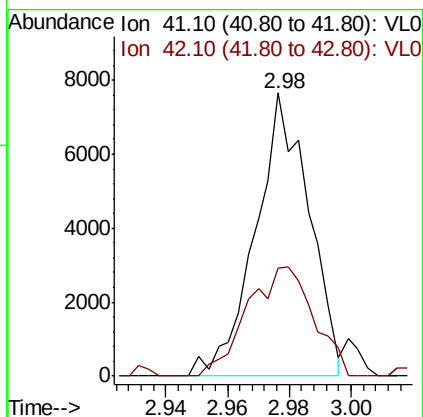
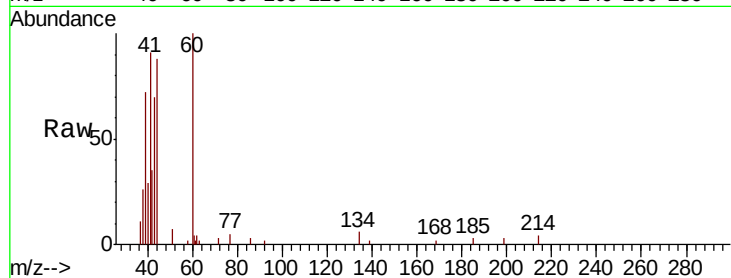
#9
Propene
Concen: 0.159 ppbv
RT: 2.98 min Scan# 59
Delta R.T. 0.01 min
Lab File: VL034932.D
Acq: 23 Mar 2020 16:43

Instrument :
MSVOA_L
ClientSampleID :
AIR-01DL

Tot Ion: 41 Resp: 9158
Ion Ratio Lower Upper
41 100
42 48.7 55.2 82.8#

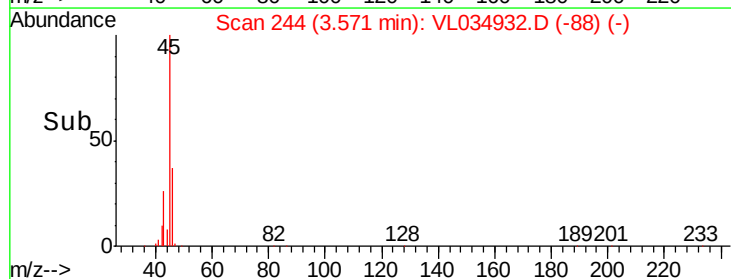
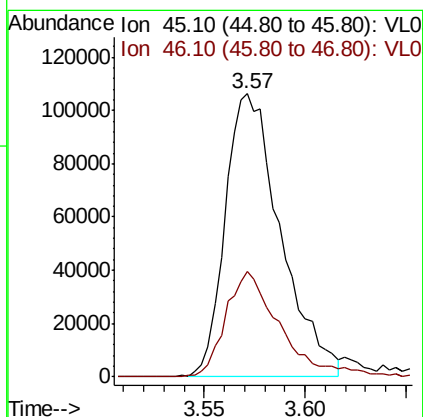
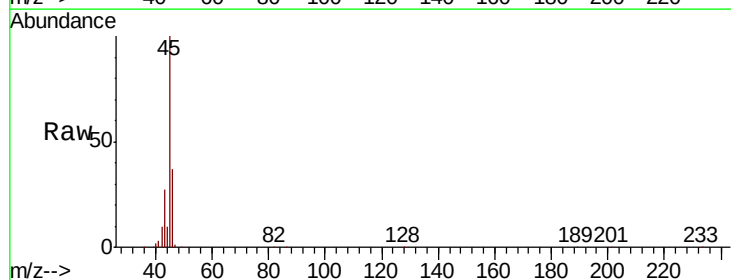
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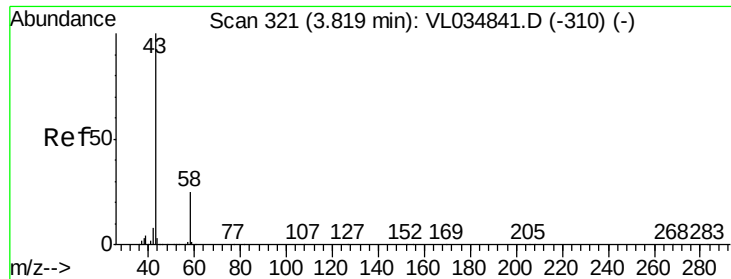
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#13
Ethanol
Concen: 11.669 ppbv
RT: 3.57 min Scan# 244
Delta R.T. 0.00 min
Lab File: VL034932.D
Acq: 23 Mar 2020 16:43

Tgt Ion: 45 Resp: 203718
Ion Ratio Lower Upper
45 100
46 37.5 16.0 64.0





#15

Acetone

Concen: 1.378 ppbv

RT: 3.82 min Scan# 322

Delta R.T. 0.00 min

Lab File: VL034932.D

Acq: 23 Mar 2020 16:43

Instrument :

MSVOA_L

ClientSampleID :

AIR-01DL

Tot Ion: 43 Resp: 192324

Ion Ratio Lower Upper

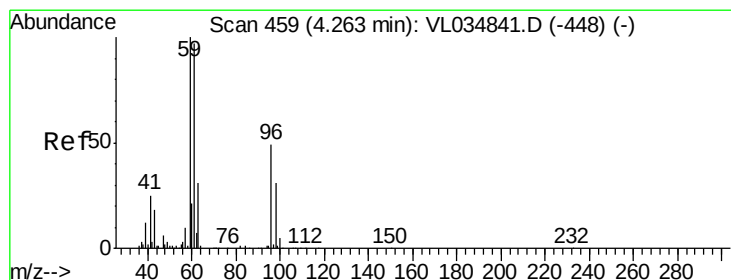
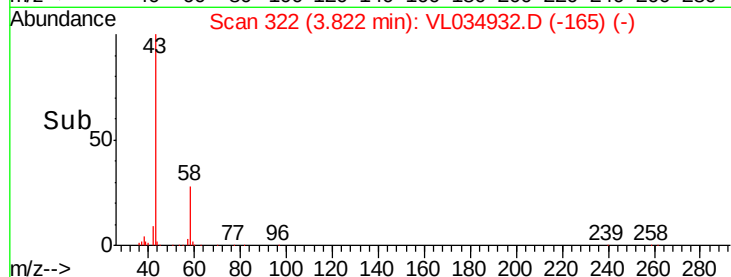
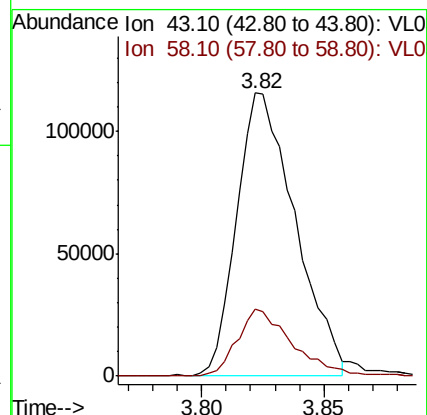
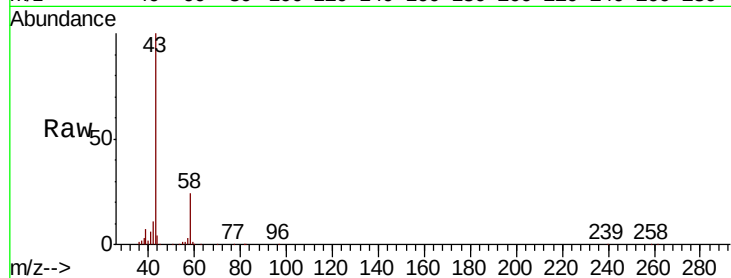
43 100

58 22.5 21.0 31.6

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#17

tert-Butyl alcohol

Concen: 0.151 ppbv m

RT: 4.29 min Scan# 468

Delta R.T. 0.03 min

Lab File: VL034932.D

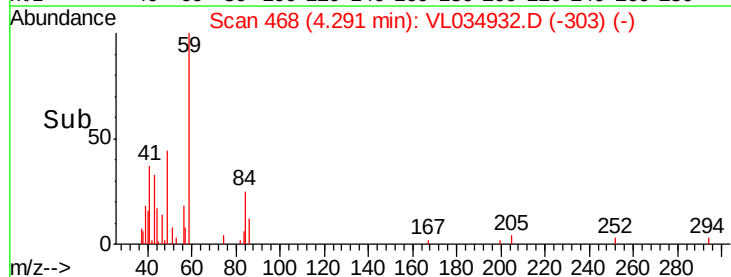
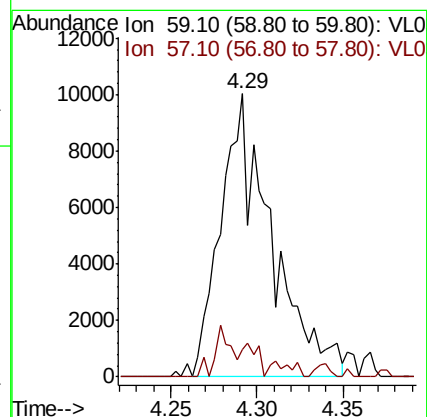
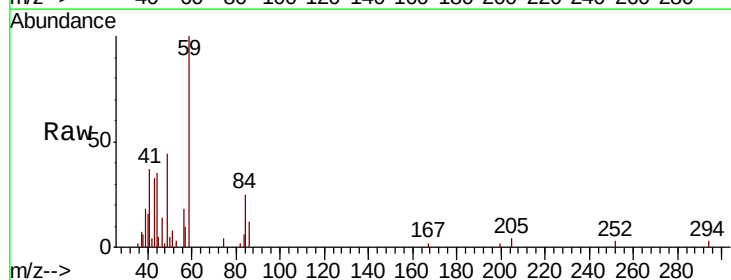
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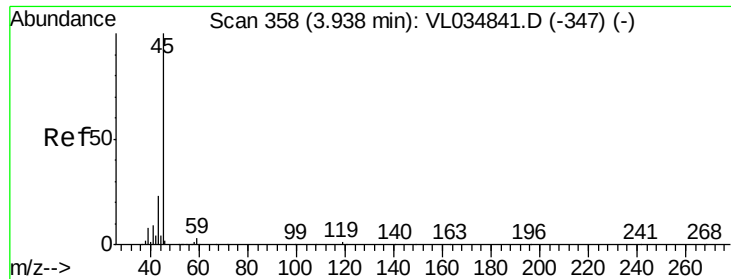
Tgt Ion: 59 Resp: 20359

Ion Ratio Lower Upper

59 100

57 13.3 8.3 12.5#





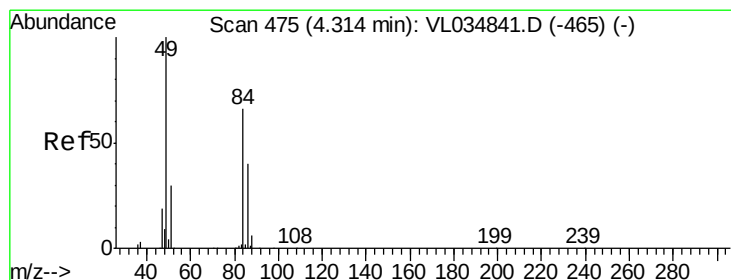
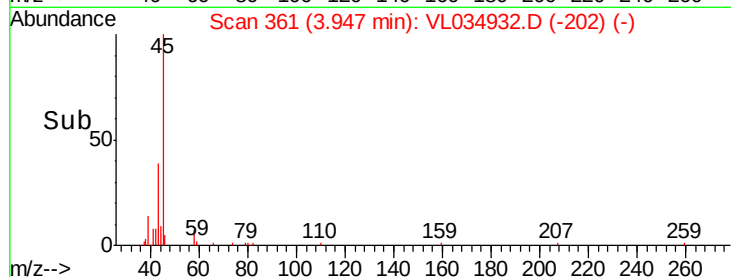
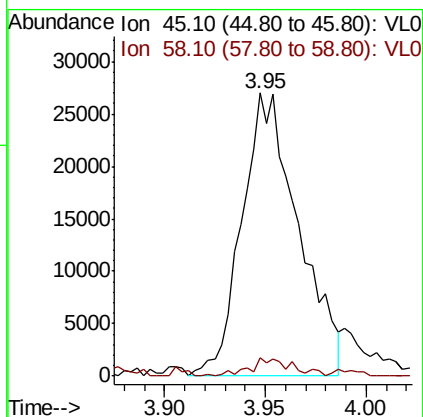
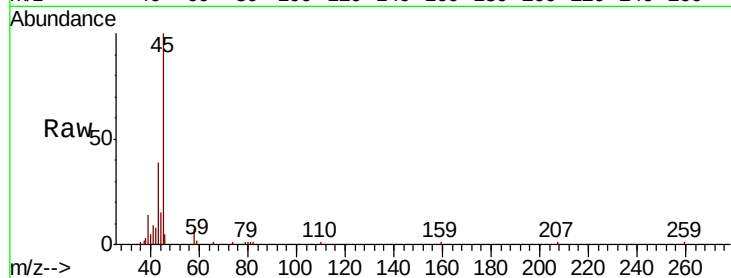
#19
Isopropyl Alcohol
Concen: 0.601 ppbv
RT: 3.95 min Scan# 361
Delta R.T. 0.01 min
Lab File: VL034932.D
Acq: 23 Mar 2020 16:43

Instrument :
MSVOA_L
ClientSampleId :
AIR-01DL

Tot Ion	Ratio	Lower	Upper
45	100		
58	5.8	30.5	45.7#

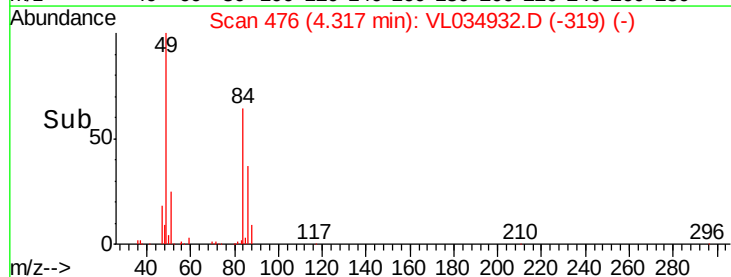
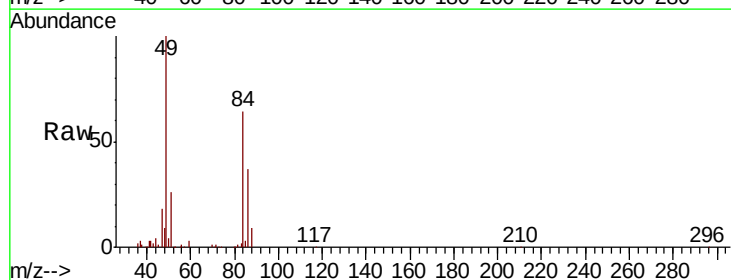
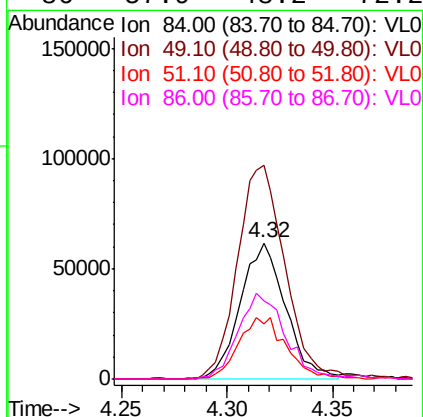
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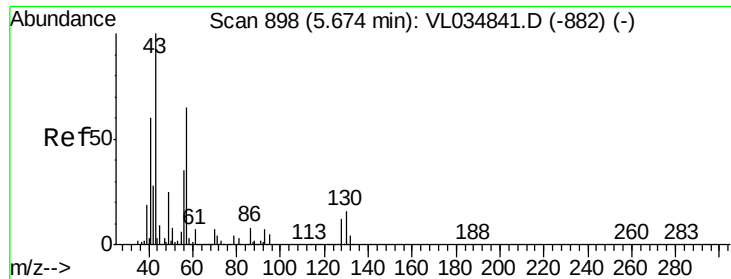
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#20
Methylene Chloride
Concen: 2.083 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.00 min
Lab File: VL034932.D
Acq: 23 Mar 2020 16:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	155.3	121.5	182.3
51	39.7	36.6	55.0
86	57.9	48.2	72.2





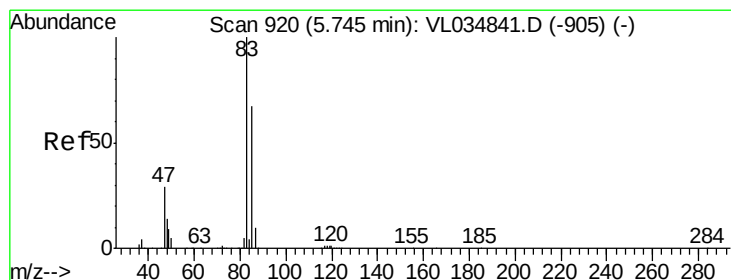
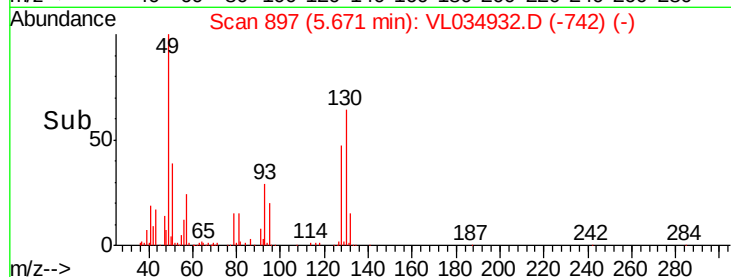
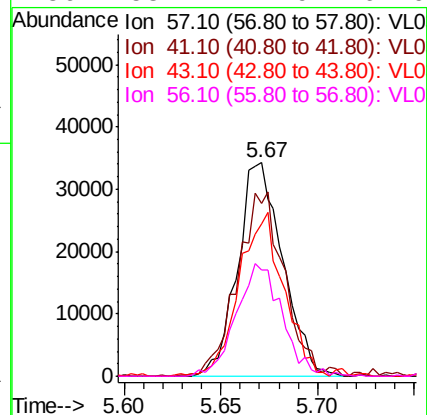
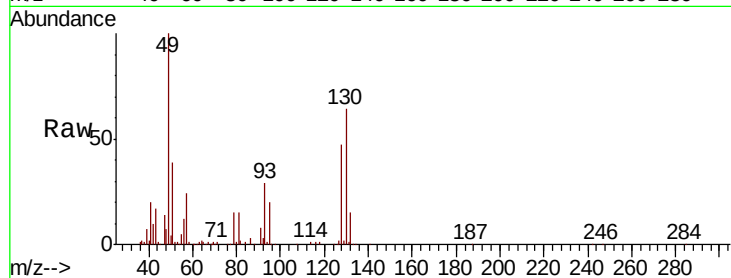
#26
Hexane
Concen: 0.519 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL034932.D
Acq: 23 Mar 2020 16:43

Instrument :
MSVOA_L
ClientSampleID :
AIR-01DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	91.7	72.6	109.0
43	77.3	183.8	275.6#
56	53.4	41.9	62.9

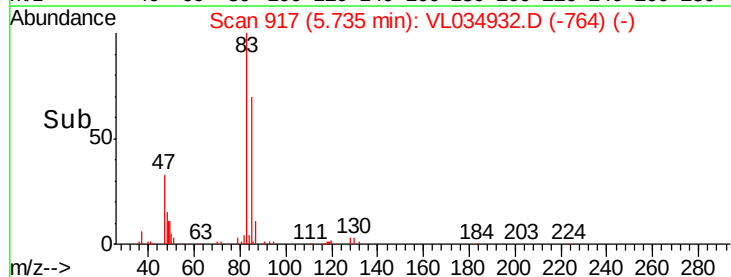
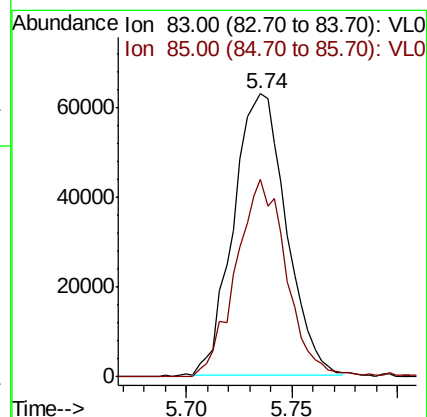
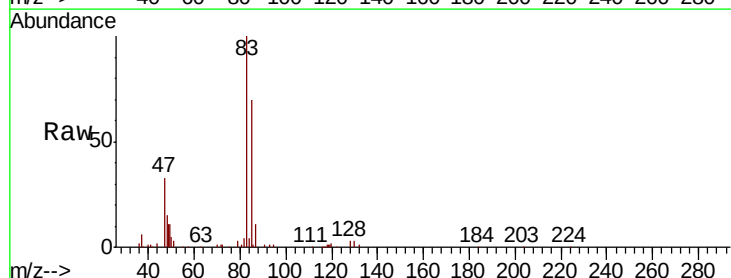
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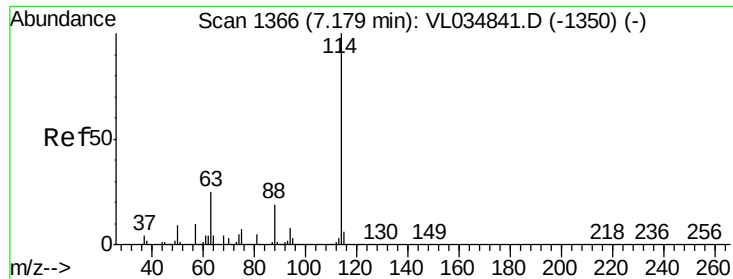
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#29
Chloroform
Concen: 0.664 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.01 min
Lab File: VL034932.D
Acq: 23 Mar 2020 16:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.9	53.8	80.6





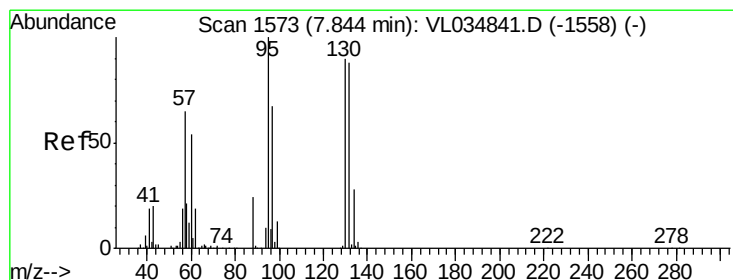
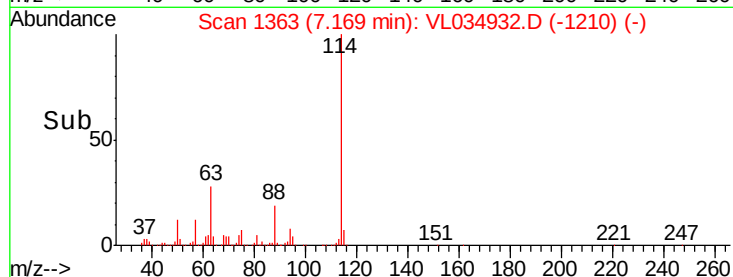
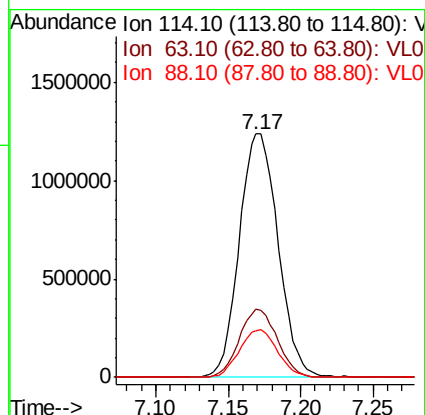
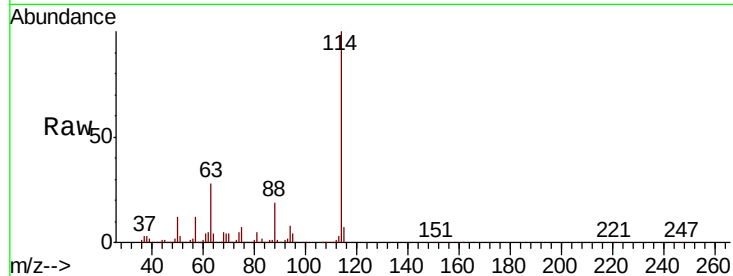
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: VL034932.D
 Acq: 23 Mar 2020 16:43

Instrument :
 MSVOA_L
 ClientSampleId :
 AIR-01DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.5	20.6	31.0
88	19.4	15.0	22.6

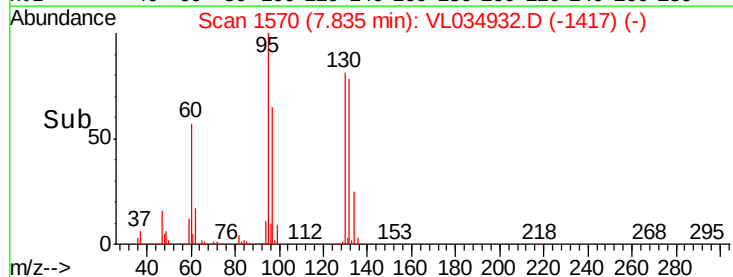
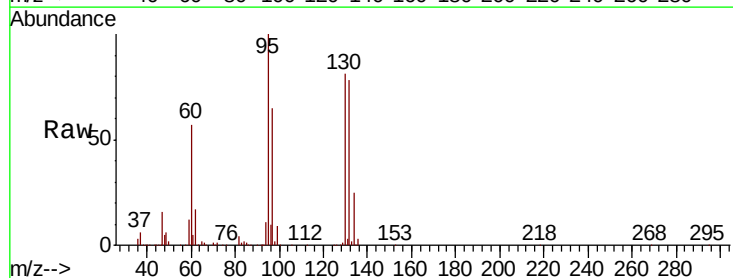
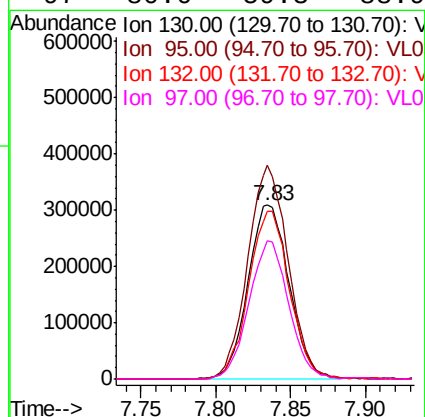
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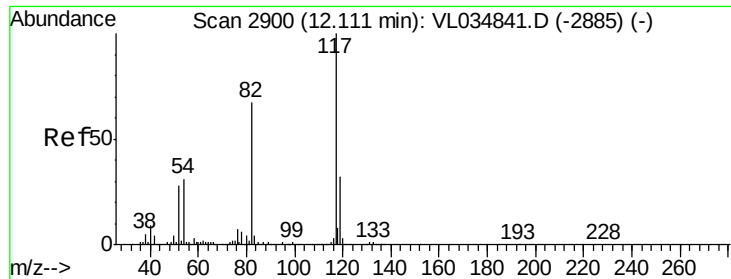
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#38
 Trichloroethene
 Concen: 7.597 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VL034932.D
 Acq: 23 Mar 2020 16:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	123.1	88.5	132.7
132	96.4	78.0	117.0
97	80.0	59.3	88.9





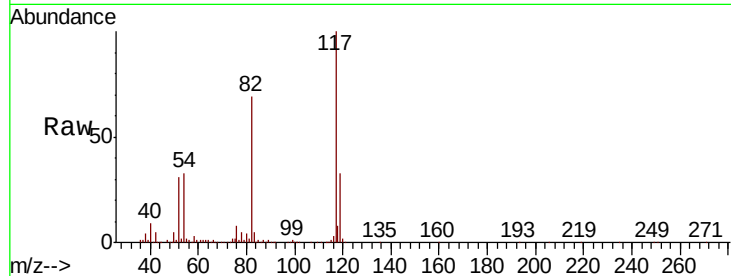
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL034932.D
Acq: 23 Mar 2020 16:43

Instrument :
MSVOA_L
ClientSampleId :
AIR-01DL

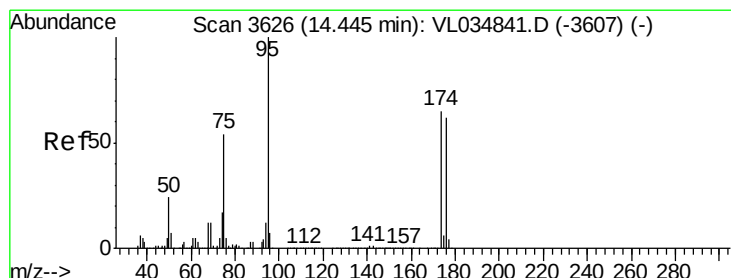
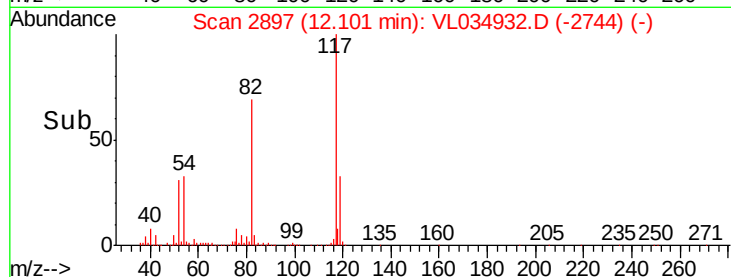
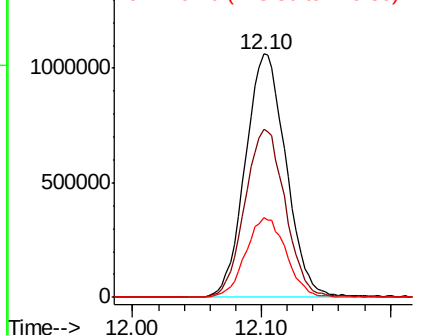
Tot Ion	Ratio	Lower	Upper
117	100		
82	69.2	51.1	76.7
119	32.7	27.3	40.9

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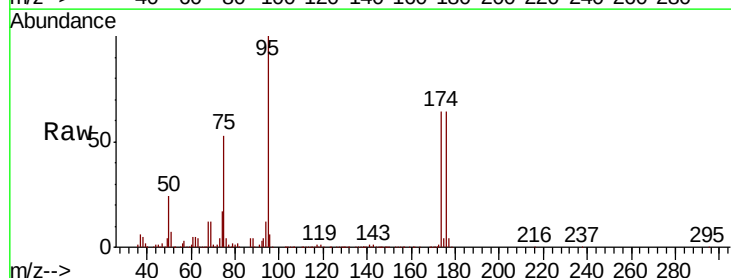


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.437 ppbv
RT: 14.44 min Scan# 3625
Delta R.T. -0.00 min
Lab File: VL034932.D
Acq: 23 Mar 2020 16:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	64.7	55.2	82.8
175	4.7	4.3	6.5



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

