

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121020\
 Data File : VL036152.D
 Acq On : 11 Dec 2020 6:43
 Operator : SY/AP
 Sample : L5005-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 48-1

Manual Integrations
 APPROVED

MMDadoda
 12/15/2020 7:23:25 PM

Quant Time: Dec 14 22:09:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards			R.T.	QIon	Response	Conc	Units	Dev(Min)

1)	Bromochloromethane		5.65	49	1314888	10.00	ppbv	-0.03
33)	1,4-Difluorobenzene		7.16	114	2460575	10.00	ppbv	-0.04
55)	Chlorobenzene-d5		12.07	117	2216522	10.00	ppbv	-0.04
System Monitoring Compounds								
68)	1-Bromo-4-Fluorobenzene		14.40	95	1858212	10.56	ppbv	-0.04
Spiked Amount		10.000	Range	65 - 135		Recovery	= 105.60%	
Target Compounds								
								Ovalue
2)	Dichlorodifluoromethane		3.03	85	44380	0.290	ppbv	92
3)	Chlorodifluoromethane		2.97	51	62092m	0.414	ppbv	
4)	Chloromethane		3.12	50	55634	0.755	ppbv	98
9)	Propene		3.01	41	99964m	1.330	ppbv	
11)	Trichlorofluoromethane		3.93	101	32194	0.179	ppbv	99
13)	Ethanol		3.60	45	4725316	456.103	ppbv	85
15)	Acetone		3.83	43	1180282	7.469	ppbv	96
20)	Methylene Chloride		4.33	84	43425	0.671	ppbv #	87

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

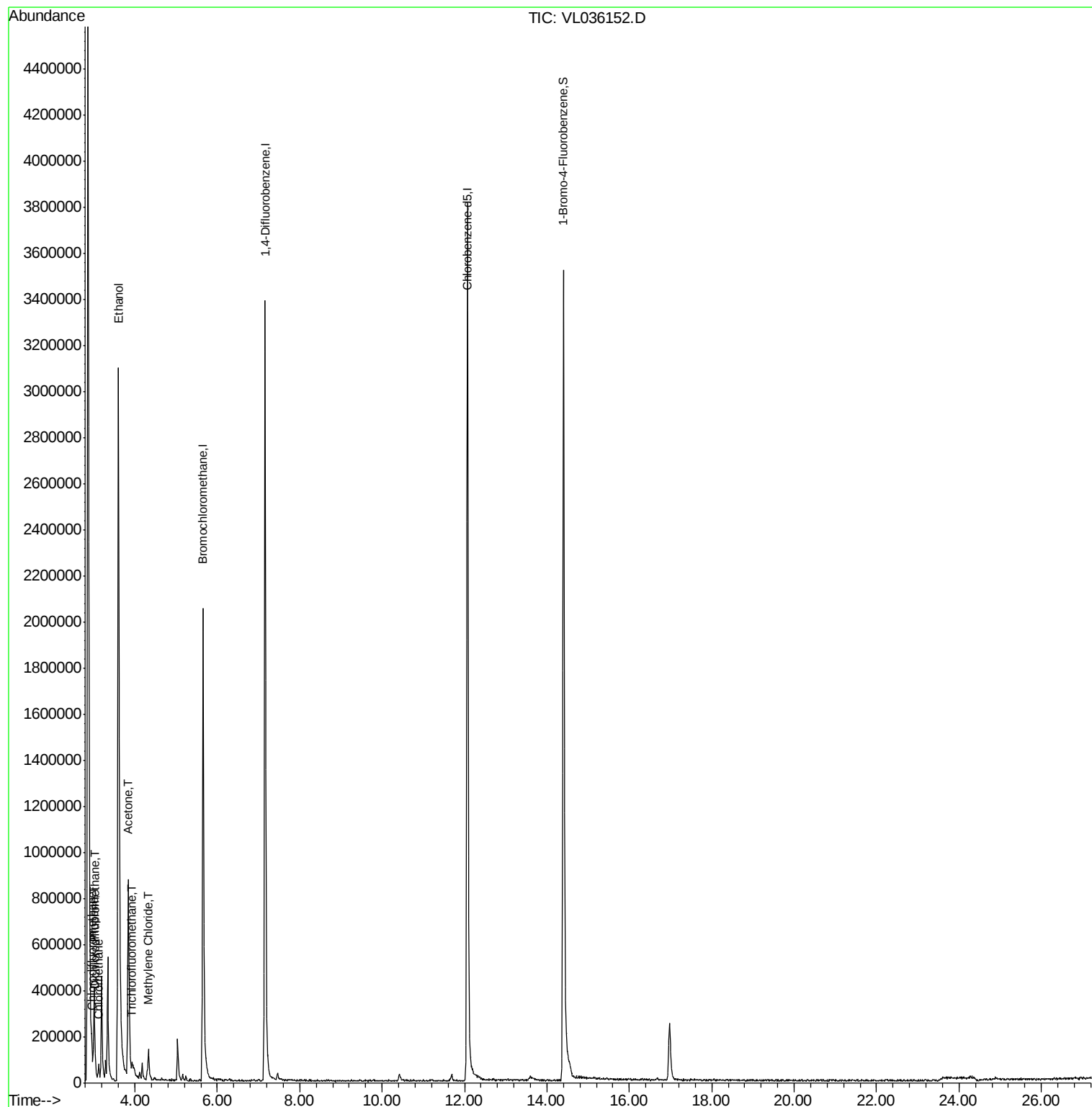
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL121020\
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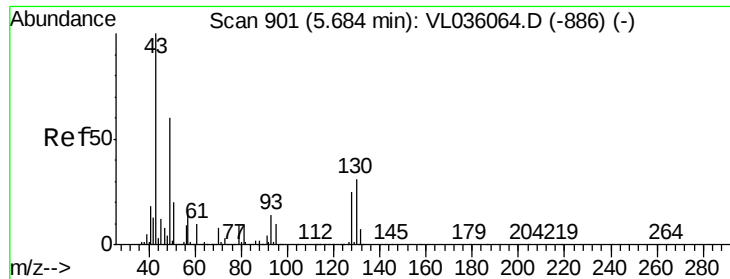
Instrument :
MSVOA_L
ClientSampleId :
48-1

Manual Integrations
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Quant Time: Dec 14 22:09:11 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.03 min

Lab File: VL036152.D

Acq: 11 Dec 2020 6:43

Instrument :

MSVOA_L

ClientSampled :

48-1

Tot Ion: 49 Resp: 1314888

Ion Ratio Lower Upper

49 100

128 34.7 21.1 63.1

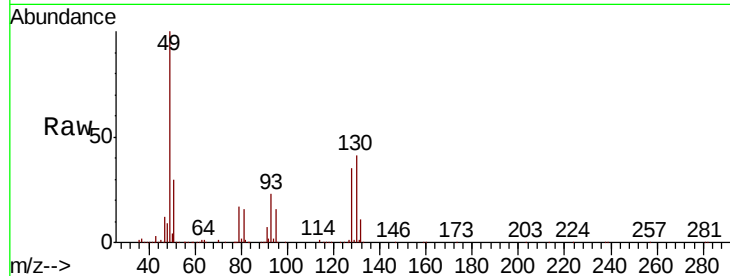
130 44.3 27.1 81.3

Manual Integrations

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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

800000

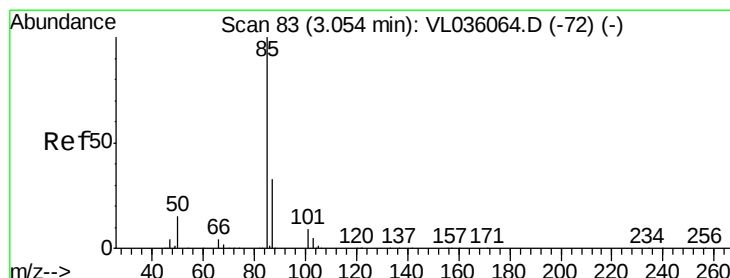
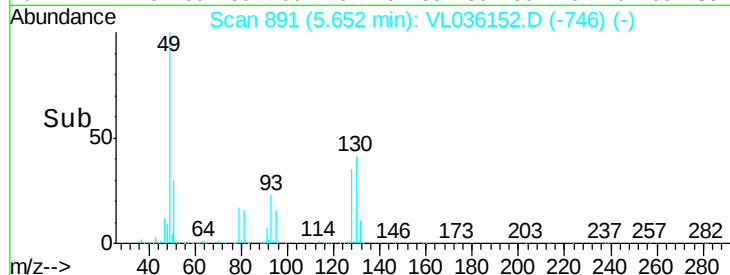
600000

400000

200000

0

Time--> 5.55 5.60 5.65 5.70 5.75



#2

Dichlorodifluoromethane

Concen: 0.290 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.02 min

Lab File: VL036152.D

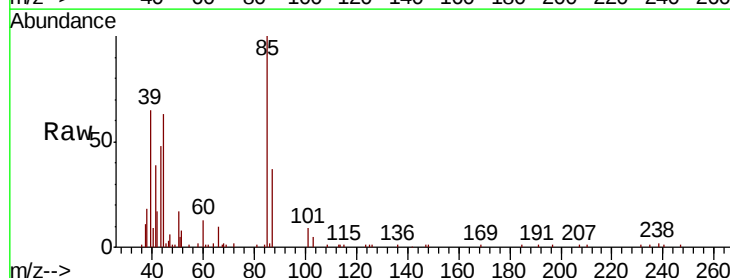
Acq: 11 Dec 2020 6:43

Tgt Ion: 85 Resp: 44380

Ion Ratio Lower Upper

85 100

87 37.4 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

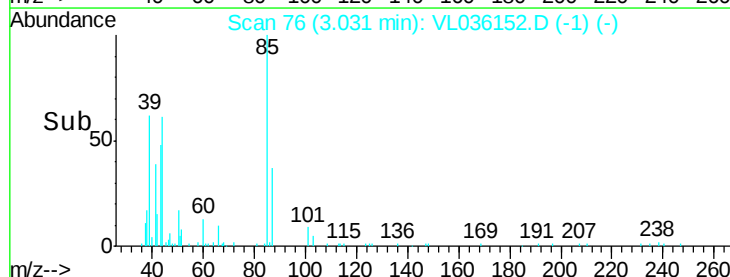
30000

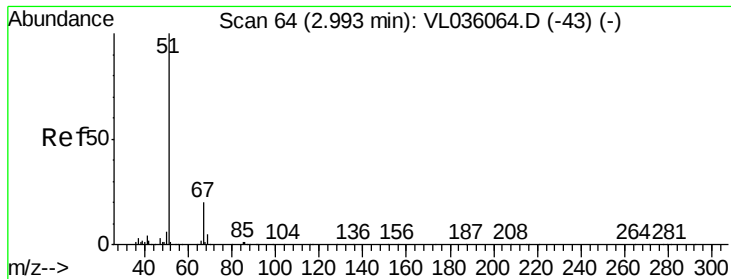
20000

10000

0

Time--> 3.00 3.05





#3

Chlorodifluoromethane

Concen: 0.414 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.02 min

Lab File: VL036152.D

Acq: 11 Dec 2020 6:43

Instrument :

MSVOA_L

ClientSampleId :

48-1

Tot Ion: 51 Resp: 62092

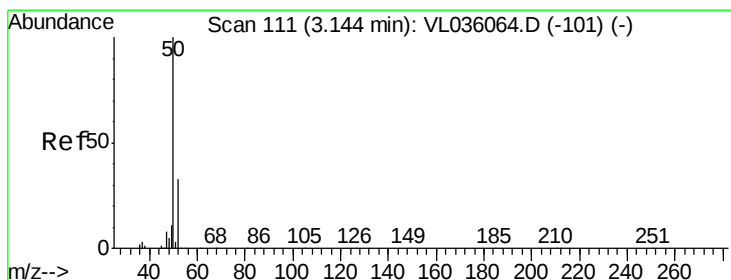
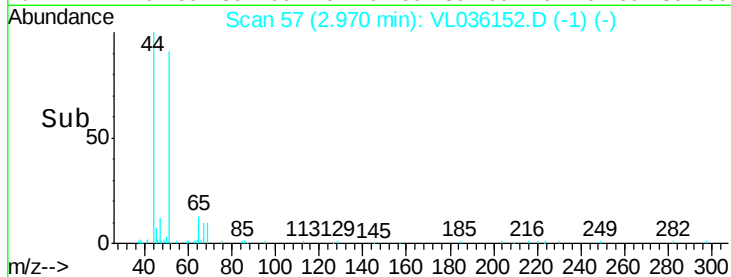
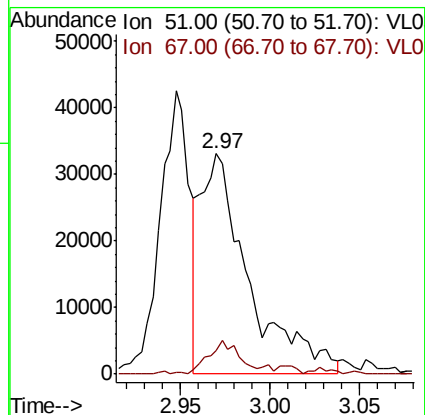
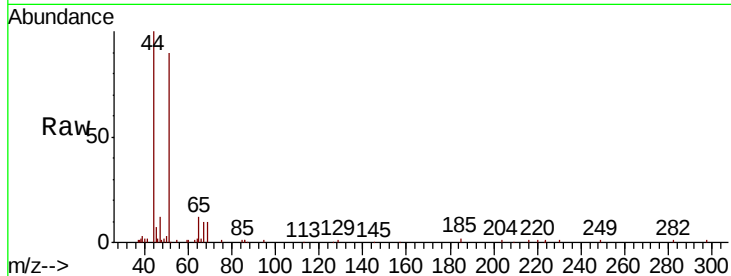
Ion Ratio Lower Upper

51 100

67 10.7 14.3 21.5#

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#4

Chloromethane

Concen: 0.755 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.02 min

Lab File: VL036152.D

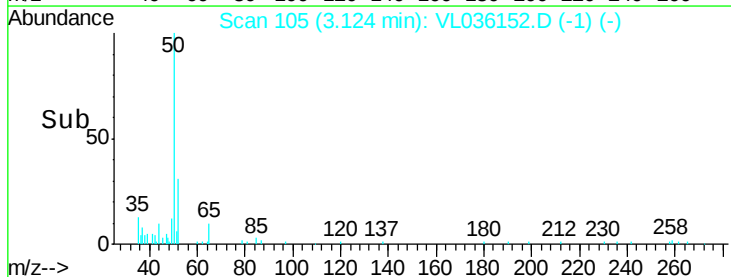
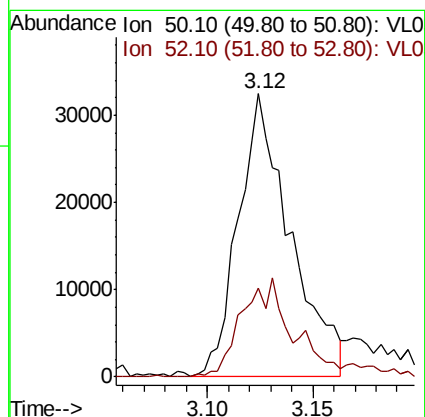
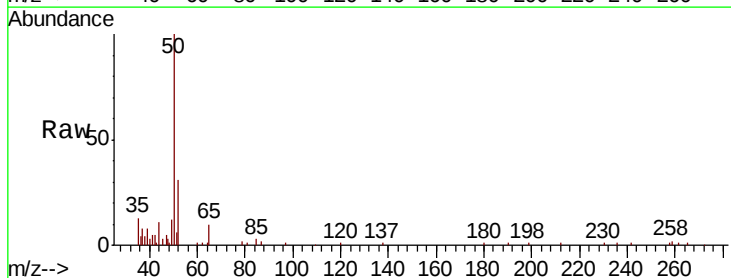
Acq: 11 Dec 2020 6:43

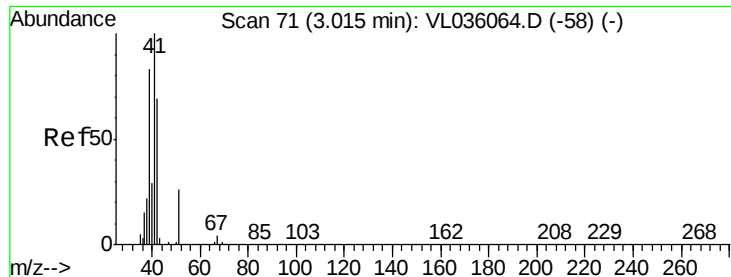
Tgt Ion: 50 Resp: 55634

Ion Ratio Lower Upper

50 100

52 31.4 26.1 39.1





#9

Propene

Concen: 1.330 ppbv m

RT: 3.01 min Scan# 68

Delta R.T. -0.01 min

Lab File: VL036152.D

Acq: 11 Dec 2020 6:43

Instrument :

MSVOA_L

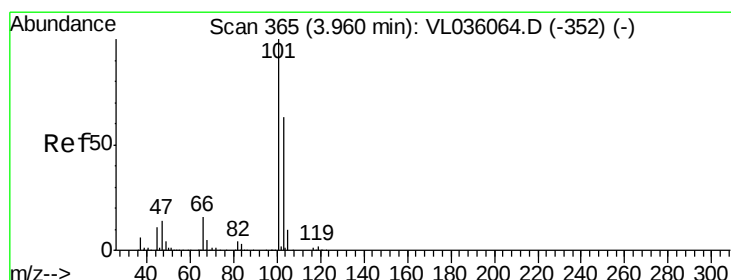
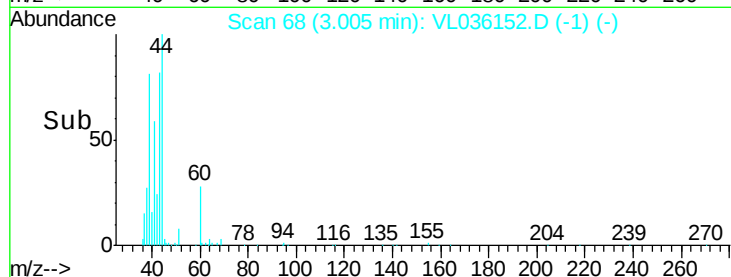
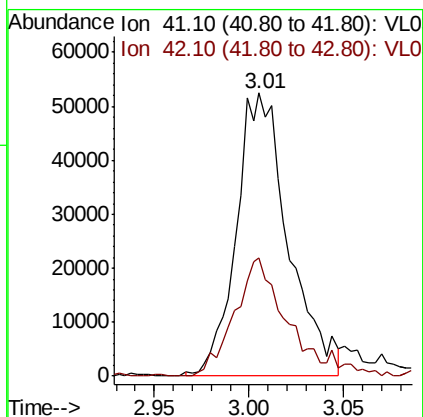
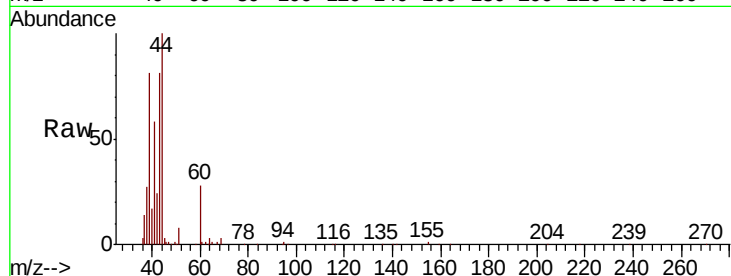
ClientSampleId :

48-1

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Tot Ion: 41 Resp: 99964
Ion Ratio Lower Upper
41 100
42 43.5 57.0 85.6#



#11

Trichlorofluoromethane

Concen: 0.179 ppbv

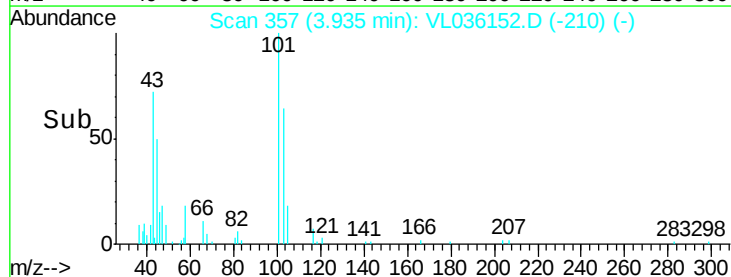
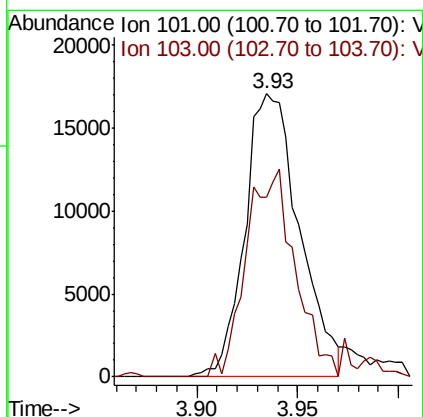
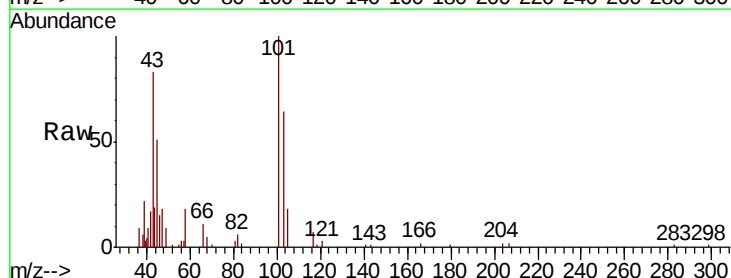
RT: 3.93 min Scan# 357

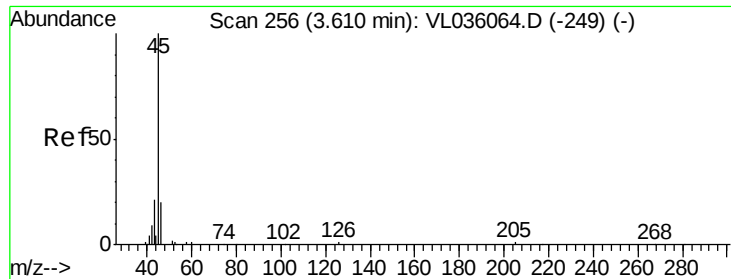
Delta R.T. -0.03 min

Lab File: VL036152.D

Acq: 11 Dec 2020 6:43

Tgt Ion: 101 Resp: 32194
Ion Ratio Lower Upper
101 100
103 63.7 50.3 75.5





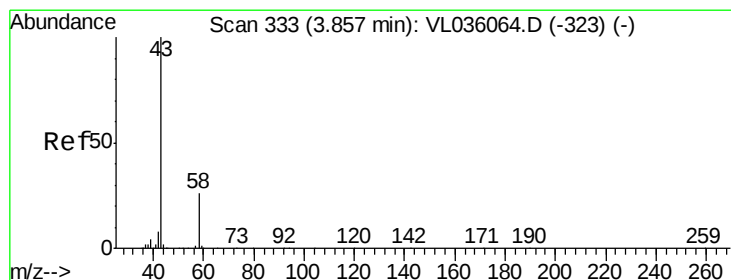
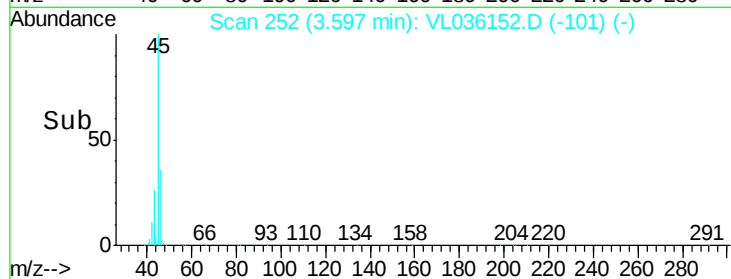
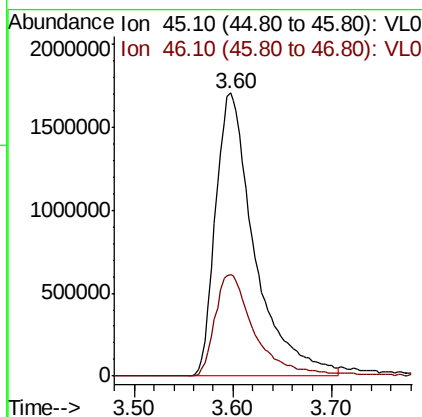
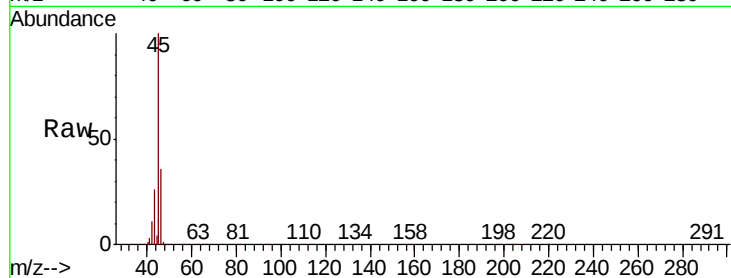
#13
Ethanol
Concen: 456.103 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.01 min
Lab File: VL036152.D
Acq: 11 Dec 2020 6:43

Instrument :
MSVOA_L
ClientSampleId :
48-1

Tot Ion: 45 Resp: 4725316
Ion Ratio Lower Upper
45 100
46 37.2 19.0 75.8

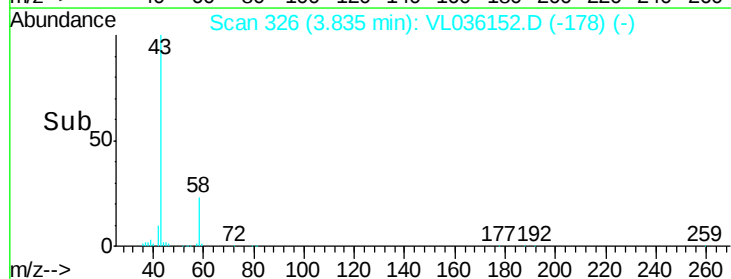
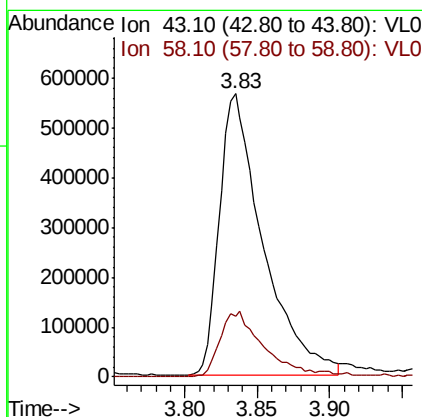
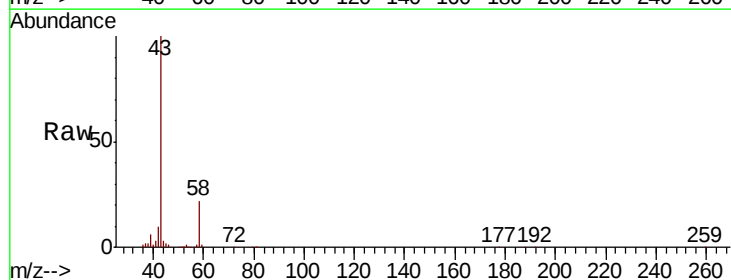
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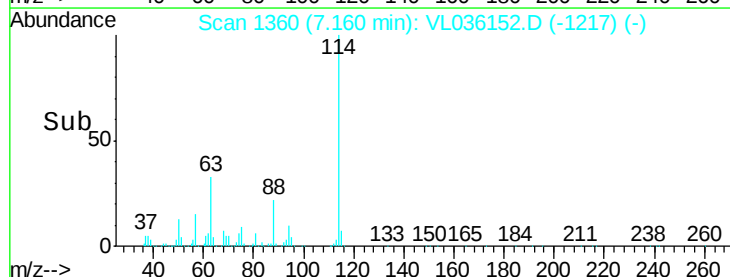
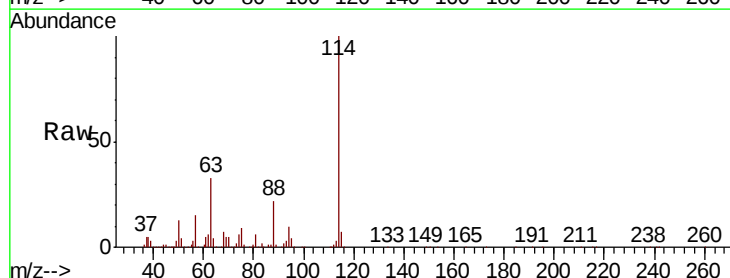
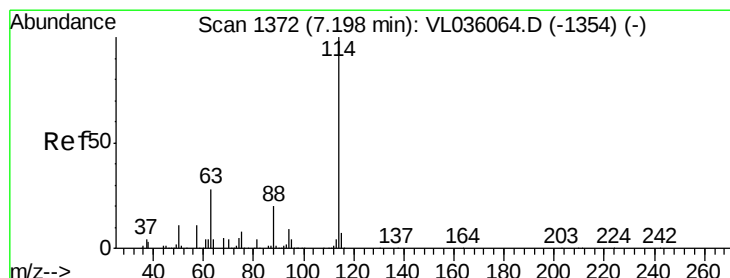
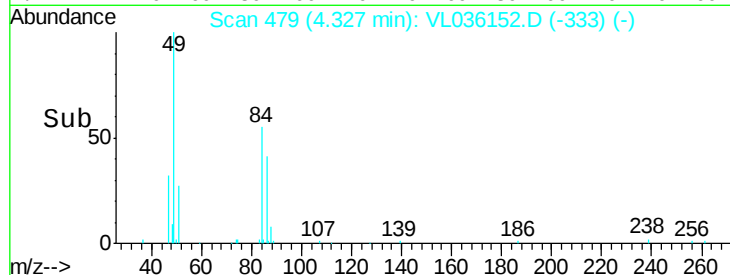
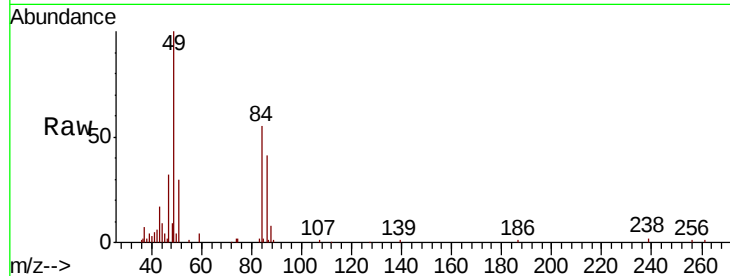
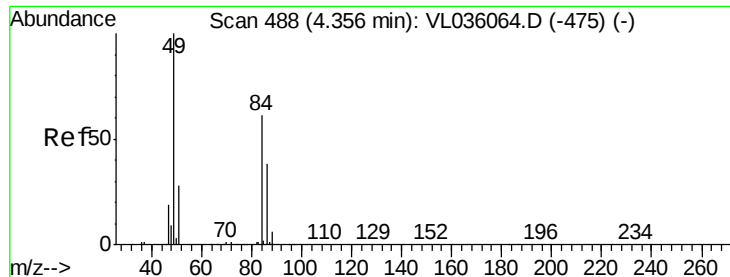
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#15
Acetone
Concen: 7.469 ppbv
RT: 3.83 min Scan# 326
Delta R.T. -0.02 min
Lab File: VL036152.D
Acq: 11 Dec 2020 6:43

Tgt Ion: 43 Resp: 1180282
Ion Ratio Lower Upper
43 100
58 24.2 20.9 31.3





#20

Methylene Chloride

Concen: 0.671 ppbv

RT: 4.33 min Scan# 479

Delta R.T. -0.03 min

Lab File: VL036152.D

Acq: 11 Dec 2020 6:43

Tot Ion:	84	Resp:	43425
Ion Ratio	Lower	Upper	
84	100		
49	182.8	133.0	199.4
51	54.4	38.9	58.3
86	74.6	48.8	73.2#

Instrument :

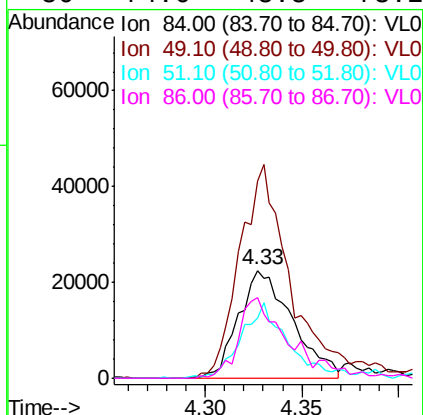
MSVOA_L

ClientSampleId :

48-1

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

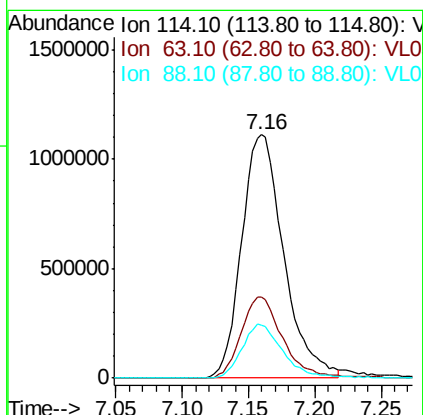
RT: 7.16 min Scan# 1360

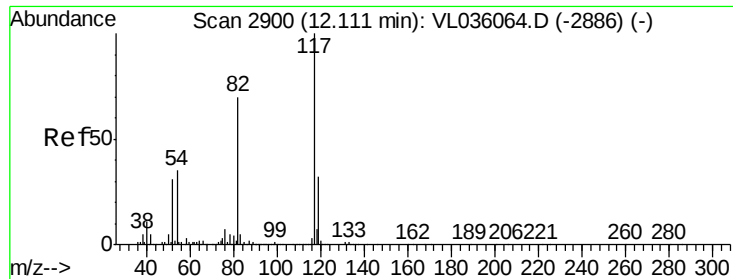
Delta R.T. -0.04 min

Lab File: VL036152.D

Acq: 11 Dec 2020 6:43

Tgt Ion:	114	Resp:	2460575
Ion Ratio	Lower	Upper	
114	100		
63	33.4	23.6	35.4
88	21.9	15.8	23.6





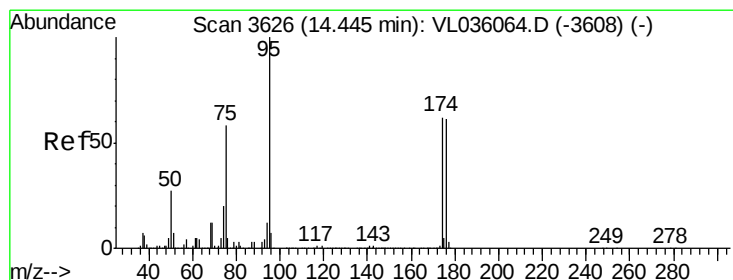
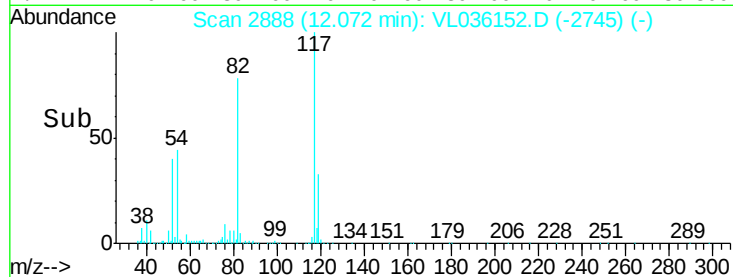
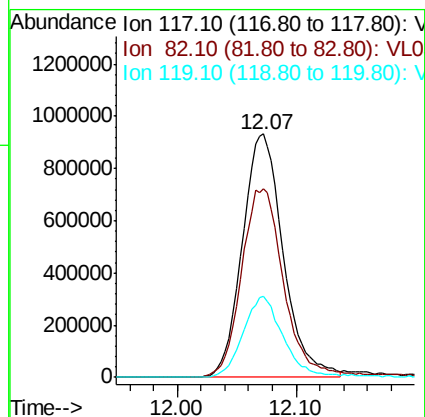
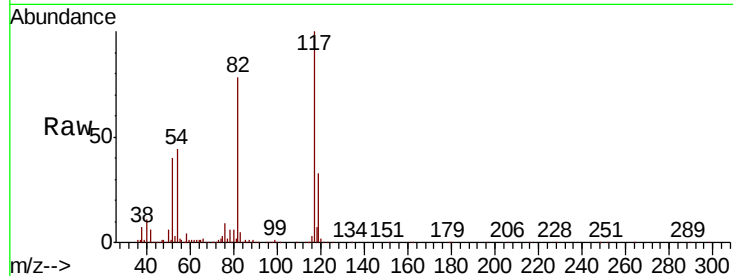
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. -0.04 min
Lab File: VL036152.D
Acq: 11 Dec 2020 6:43

Instrument :
MSVOA_L
ClientSampleId :
48-1

Tot Ion: 117 Resp: 2216522
Ion Ratio Lower Upper
117 100
82 81.8 0.0 0.0#
119 33.5 0.0 0.0#

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.558 ppbv
RT: 14.40 min Scan# 3613
Delta R.T. -0.04 min
Lab File: VL036152.D
Acq: 11 Dec 2020 6:43

Tgt Ion: 95 Resp: 1858212
Ion Ratio Lower Upper
95 100
174 57.7 50.7 76.1
175 3.9 4.0 6.0#

