

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050720\
 Data File : VL034973.D
 Acq On : 7 May 2020 18:33
 Operator : SY/AP
 Sample : L2524-01DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IIA2DUP

Manual Integrations
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 5/8/2020 5:22:41 PM

Quant Time: May 08 15:24:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1008333	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2299375	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2082527	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	1763167	10.46	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	38606m	0.270	ppbv	
3) Chlorodifluoromethane	2.95	51	31151m	0.271	ppbv	
4) Chloromethane	3.11	50	32189	0.488	ppbv	94
11) Trichlorofluoromethane	3.93	101	33077	0.224	ppbv	95
13) Ethanol	3.59	45	1376053	83.476	ppbv	99
15) Acetone	3.83	43	1539090	11.546	ppbv	100
19) Isopropyl Alcohol	3.96	45	8640825	97.198	ppbv #	98
20) Methylene Chloride	4.33	84	77766	1.762	ppbv	87
26) Hexane	5.69	57	159889	1.647	ppbv #	51
34) 2-Butanone	5.24	43	389959	2.729	ppbv	99
35) Carbon Tetrachloride	7.02	117	8997m	0.062	ppbv	
41) Tetrahydrofuran	6.06	42	77980	1.036	ppbv	95
53) Toluene	9.84	91	281989	1.403	ppbv	100
59) m/p-Xylene	13.01	91	22167m	0.098	ppbv	

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

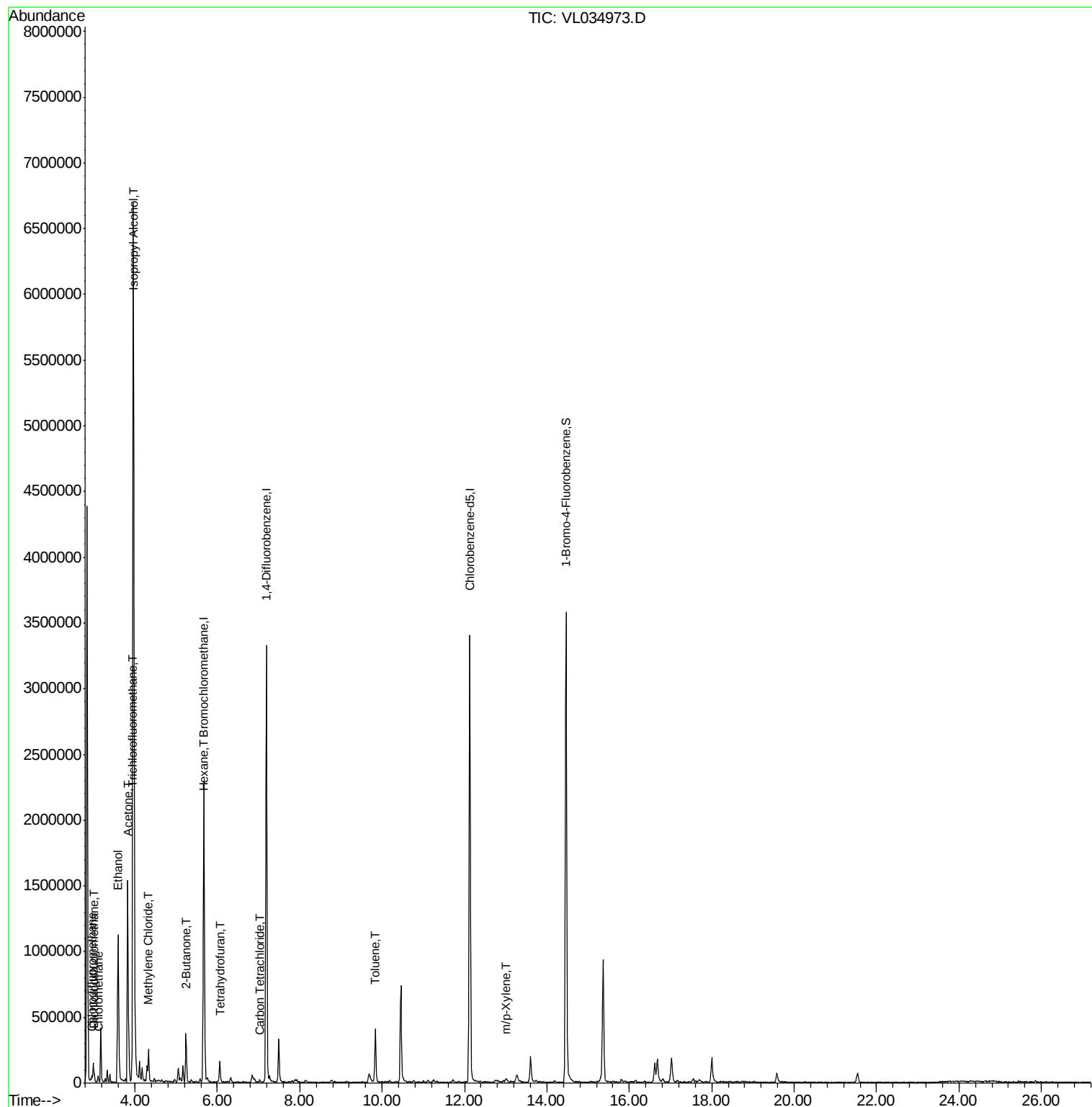
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL050720\
Data File : VL034973.D
Acq On : 7 May 2020 18:33
Operator : SY/AP
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Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

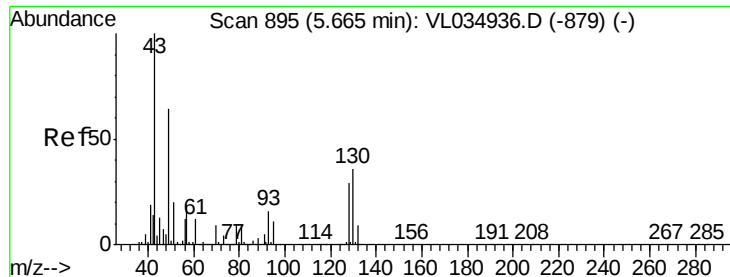
Instrument :
MSVOA_L
ClientSampleId :
IIA2DUP

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Quant Time: May 08 15:24:33 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed May
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration





#1

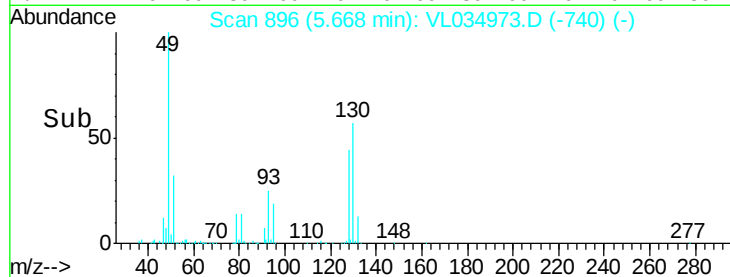
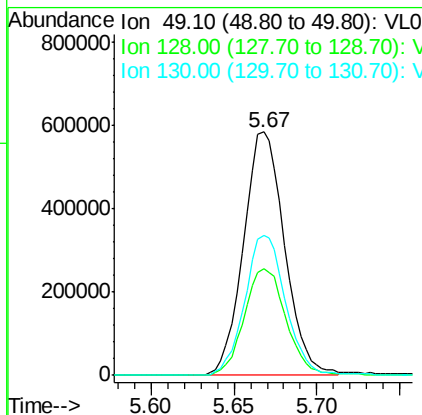
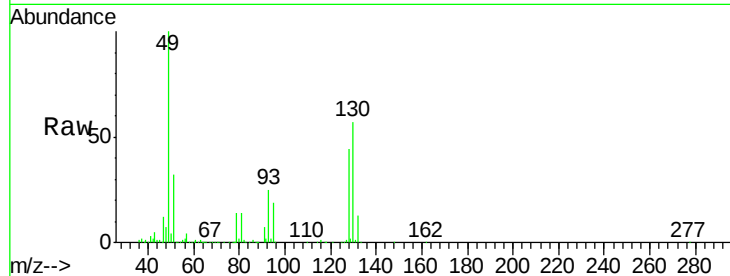
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 896
 Delta R.T. 0.00 min
 Lab File: VL034973.D
 Acq: 7 May 2020 18:33

Instrument :
 MSVOA_L
 ClientSampleId :
 IIA2DUP

Tot Ion	Ratio	Lower	Upper
49	100		
128	45.0	22.1	66.5
130	57.5	29.1	87.3

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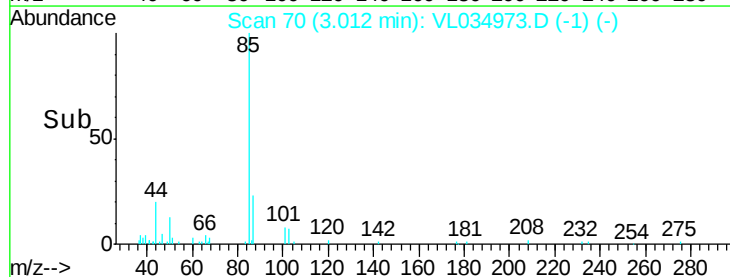
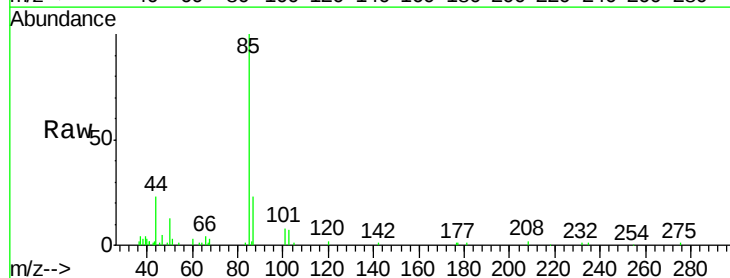
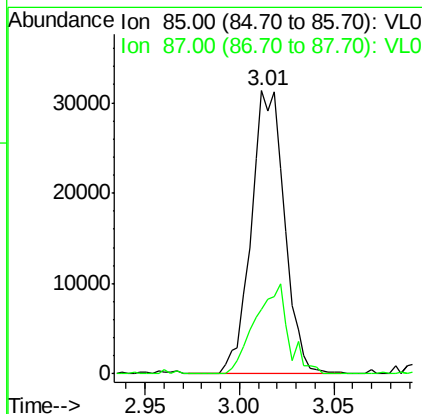
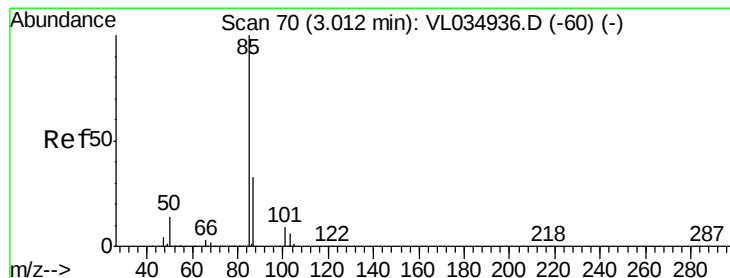
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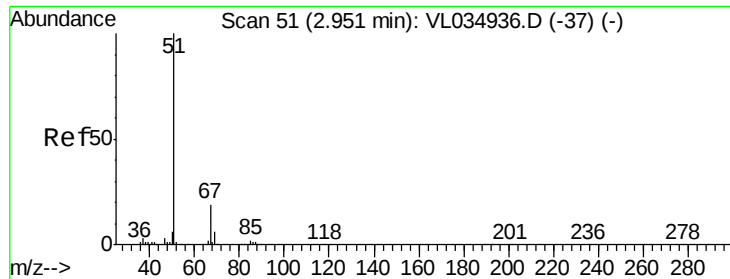


#2

Dichlorodifluoromethane
 Concen: 0.270 ppbv m
 RT: 3.01 min Scan# 70
 Delta R.T. -0.00 min
 Lab File: VL034973.D
 Acq: 7 May 2020 18:33

Tgt Ion	Ratio	Lower	Upper
85	100		
87	22.9	26.2	39.2





#3

Chlorodifluoromethane

Concen: 0.271 ppbv

RT: 2.95 min Scan# 52

Delta R.T. 0.00 min

Lab File: VL034973.D

Acq: 7 May 2020 18:33

Instrument :

MSVOA_L

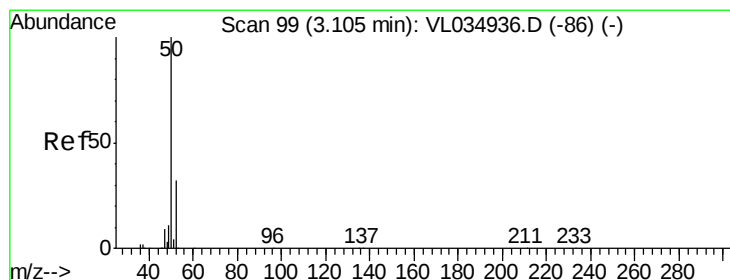
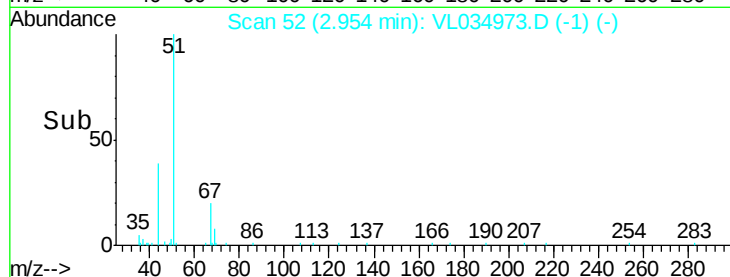
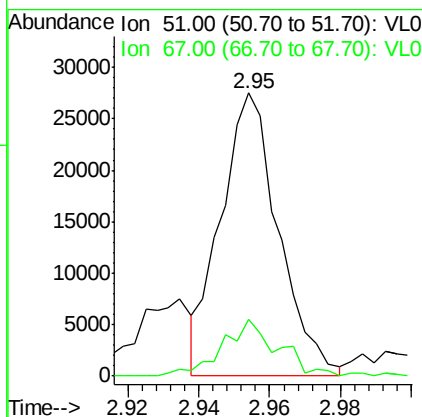
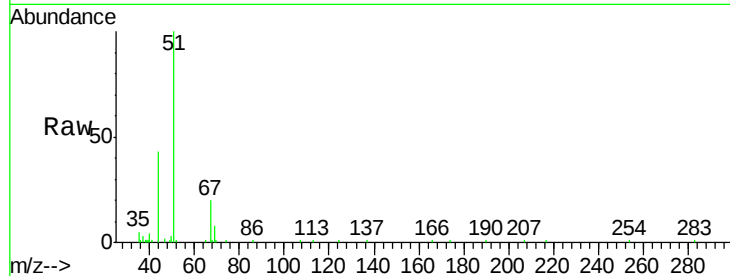
ClientSampleId :

IIA2DUP

Tot Ion	Ratio	Lower	Upper
51	100		
67	0.9	15.0	22.6#

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#4

Chloromethane

Concen: 0.488 ppbv

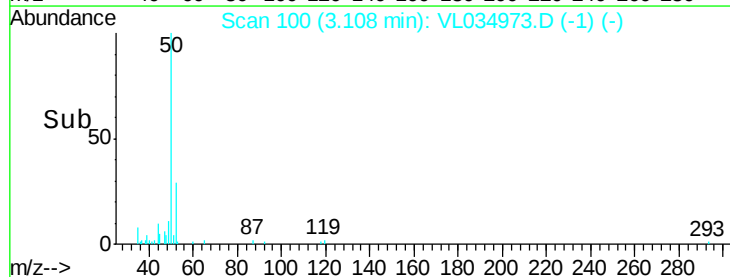
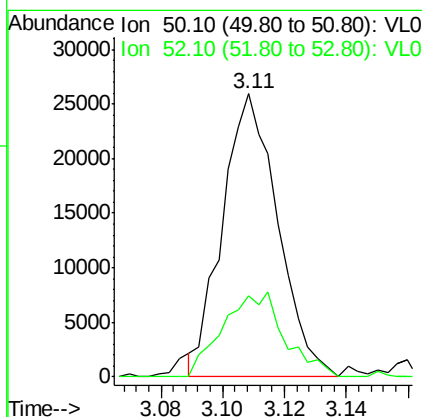
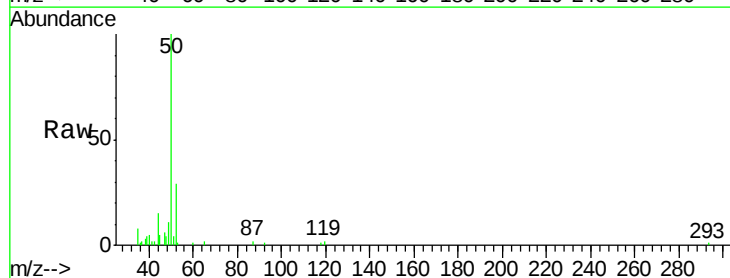
RT: 3.11 min Scan# 100

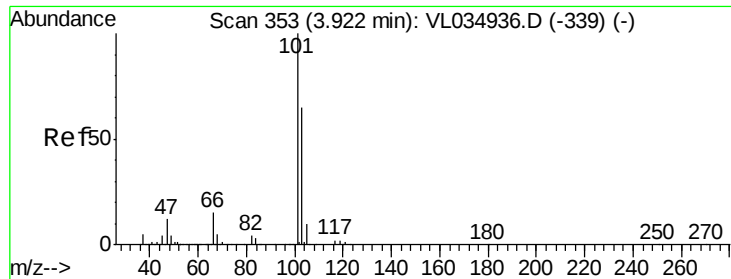
Delta R.T. 0.00 min

Lab File: VL034973.D

Acq: 7 May 2020 18:33

Tgt Ion	Ratio	Lower	Upper
50	100		
52	28.6	25.4	38.2





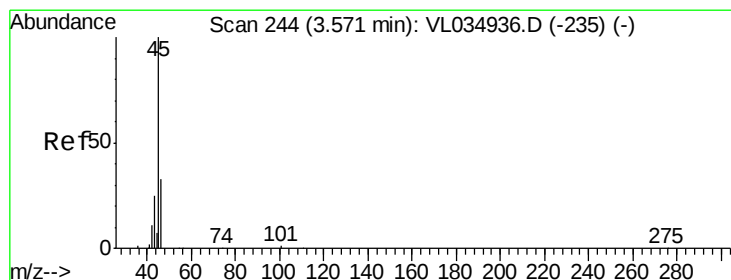
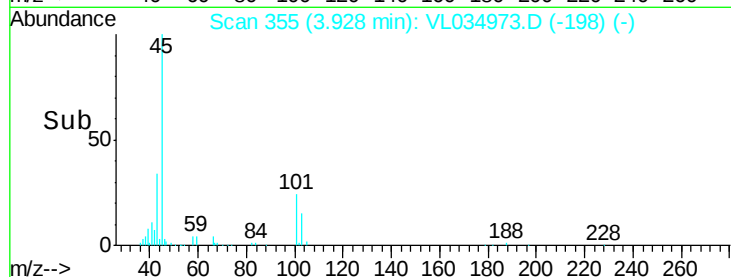
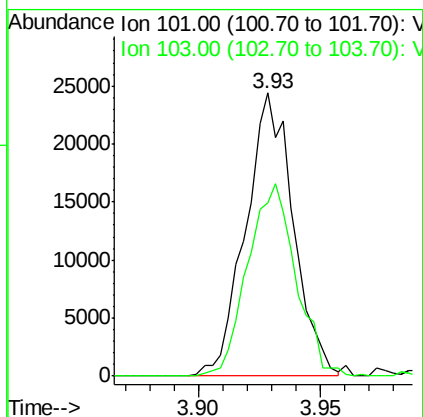
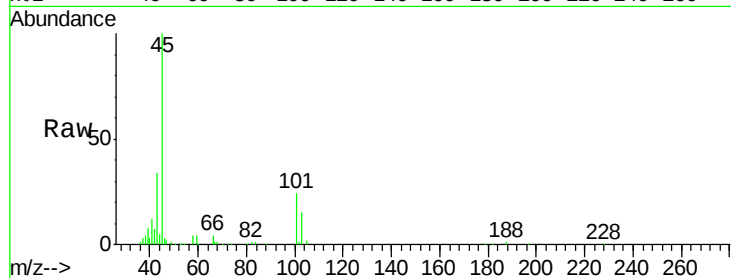
#11
 Trichlorofluoromethane
 Concen: 0.224 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. 0.01 min
 Lab File: VL034973.D
 Acq: 7 May 2020 18:33

Instrument :
 MSVOA_L
 ClientSampleId :
 IIA2DUP

Tot Ion:101 Resp: 33077
 Ion Ratio Lower Upper
 101 100
 103 61.3 51.9 77.9

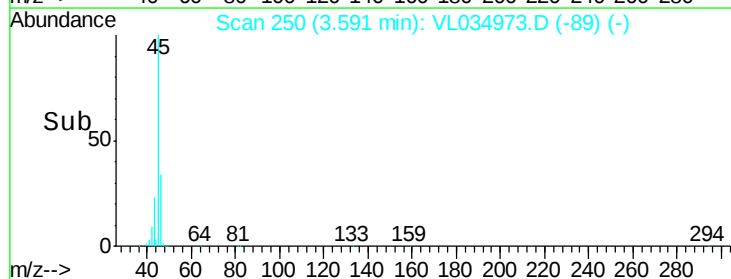
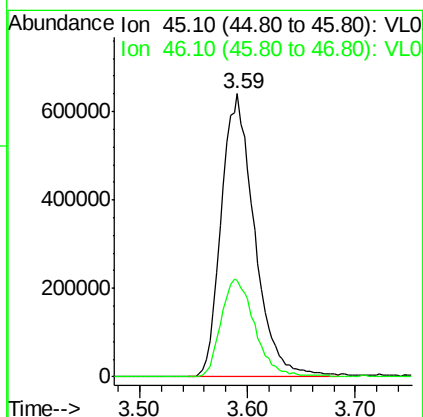
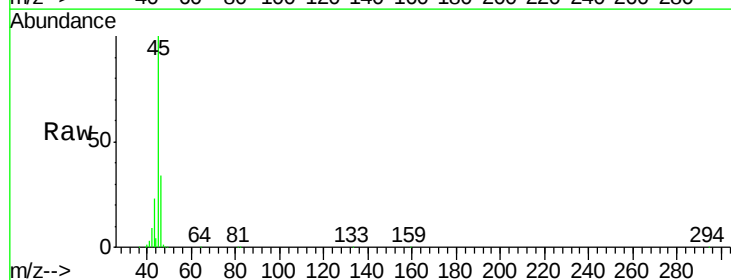
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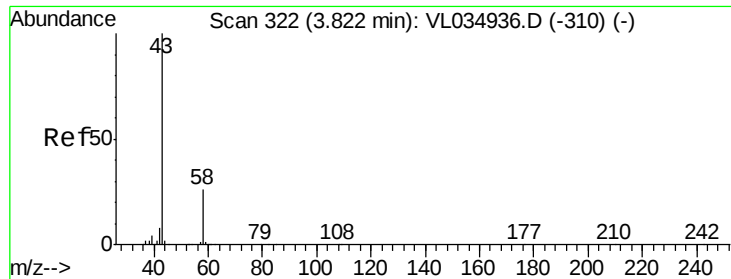
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#13
 Ethanol
 Concen: 83.476 ppbv
 RT: 3.59 min Scan# 250
 Delta R.T. 0.02 min
 Lab File: VL034973.D
 Acq: 7 May 2020 18:33

Tgt Ion: 45 Resp: 1376053
 Ion Ratio Lower Upper
 45 100
 46 35.3 14.3 57.3





#15

Acetone

Concen: 11.546 ppbv

RT: 3.83 min Scan# 323

Delta R.T. 0.00 min

Lab File: VL034973.D

Acq: 7 May 2020 18:33

Tot Ion: 43 Resp: 1539090

Ion Ratio Lower Upper

43 100

58 27.1 21.7 32.5

Instrument :

MSVOA_L

ClientSampled :

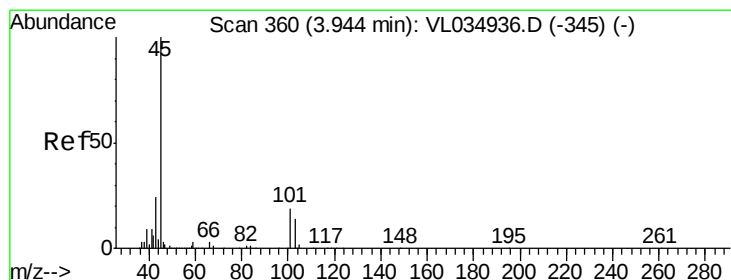
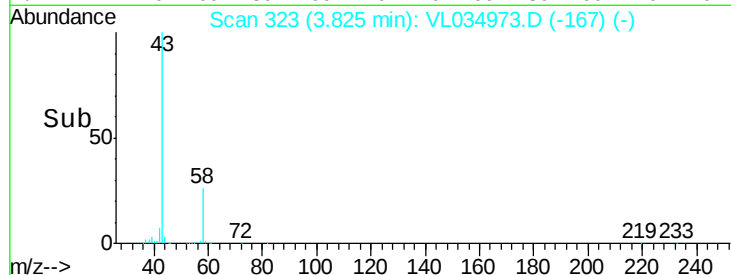
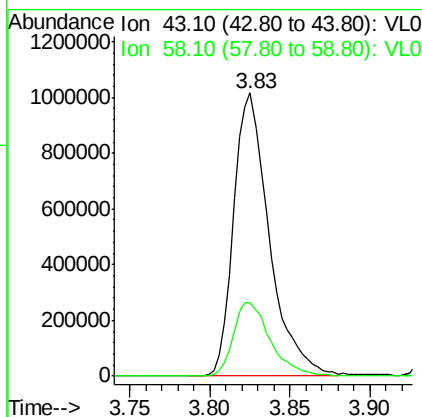
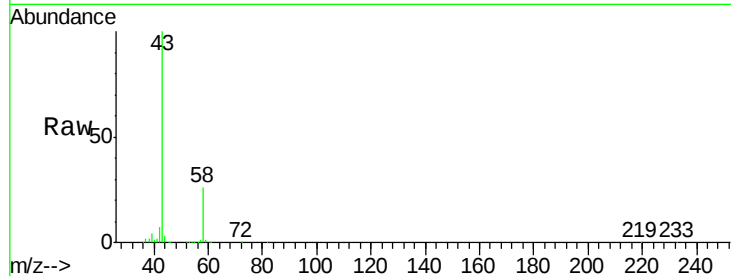
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#19

Isopropyl Alcohol

Concen: 97.198 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.02 min

Lab File: VL034973.D

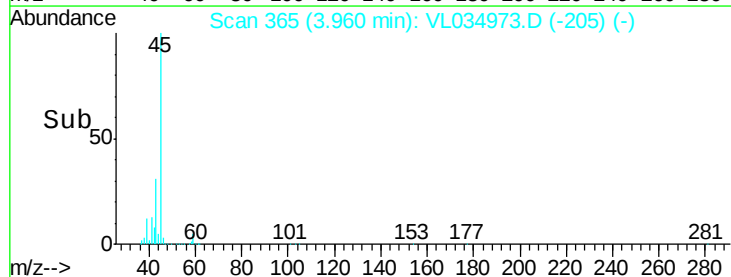
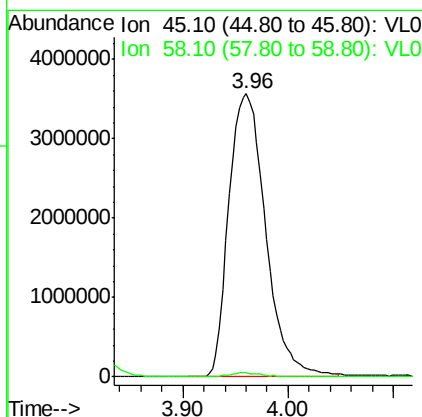
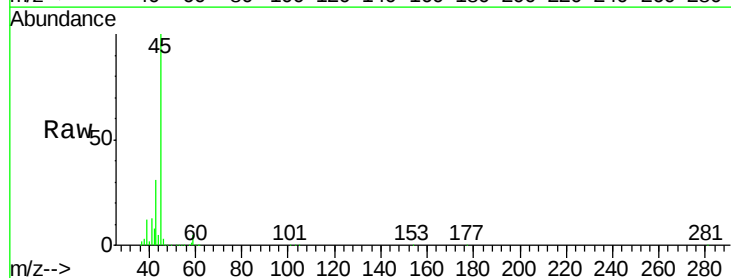
Acq: 7 May 2020 18:33

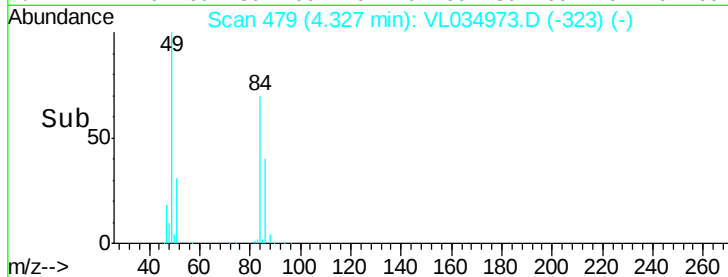
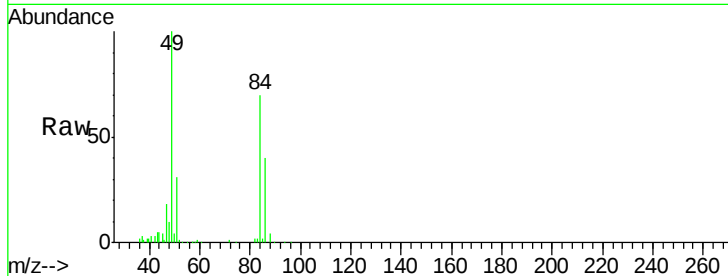
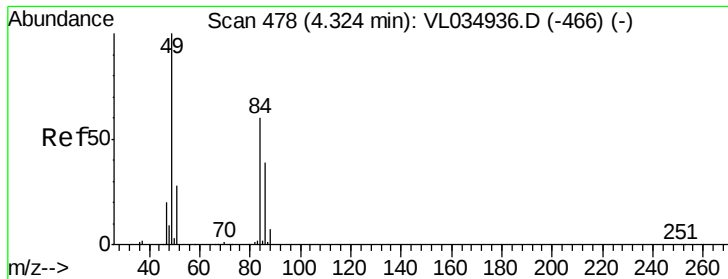
Tgt Ion: 45 Resp: 8640825

Ion Ratio Lower Upper

45 100

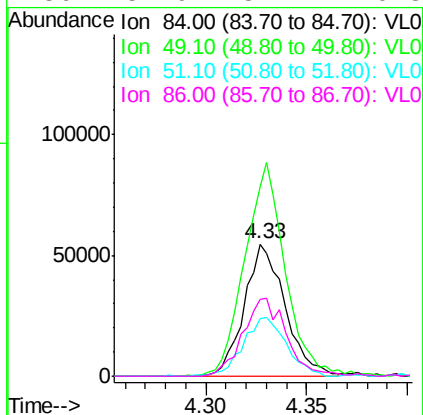
58 1.4 1.7 2.5#





#20
Methvlene Chloride
Concen: 1.762 ppbv
RT: 4.33 min Scan# 479
Delta R.T. 0.00 min
Lab File: VL034973.D
Acq: 7 May 2020 18:33

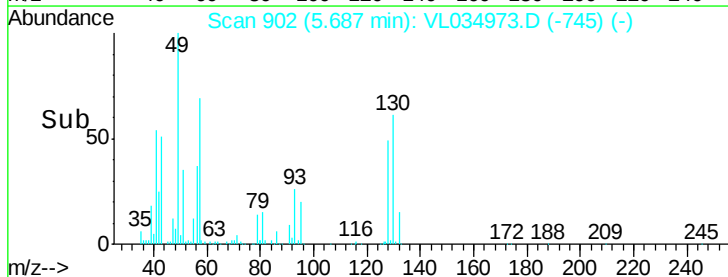
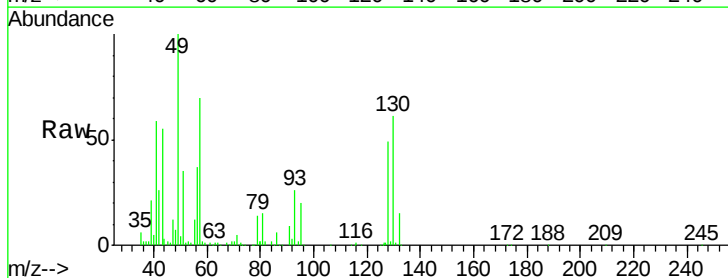
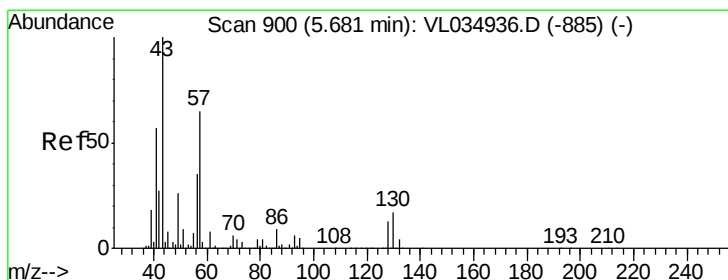
Tot Ion	84	Resp	77766
Ion	Ratio	Lower	Upper
84	100		
49	142.7	132.5	198.7
51	43.9	38.4	57.6
86	57.9	51.2	76.8



Instrument :
MSVOA_L
ClientSampled :
IIA2DUP

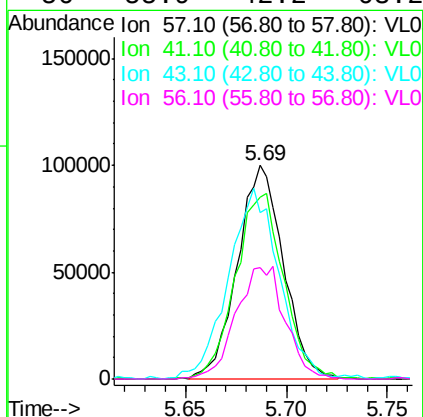
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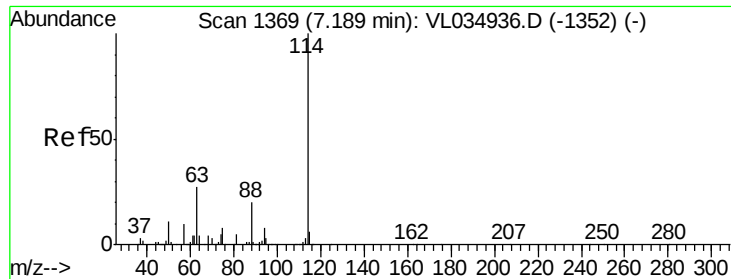
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#26
Hexane
Concen: 1.647 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL034973.D
Acq: 7 May 2020 18:33

Tgt Ion	57	Resp	159889
Ion	Ratio	Lower	Upper
57	100		
41	92.1	72.7	109.1
43	98.9	182.1	273.1#
56	55.9	42.2	63.2





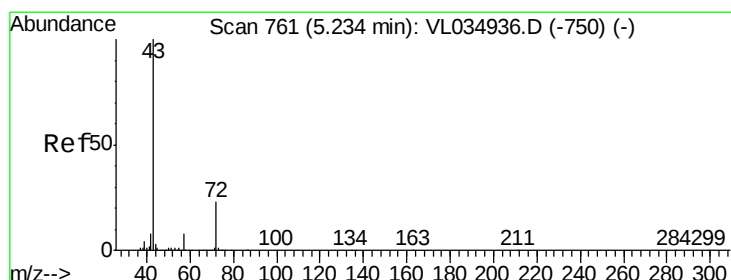
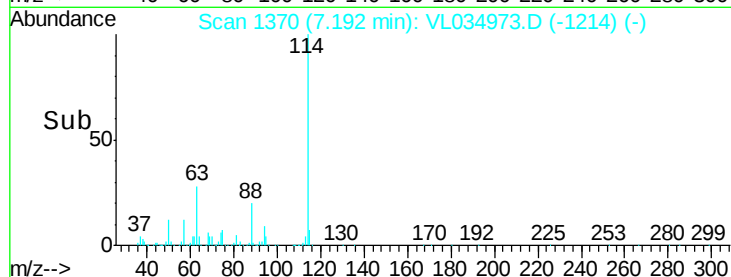
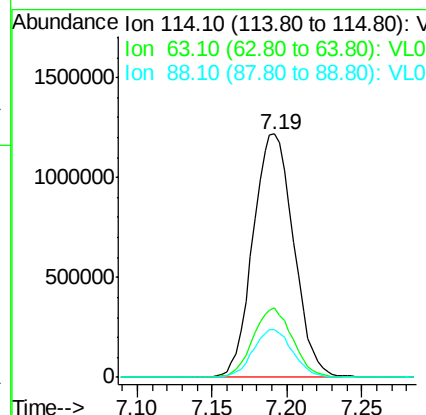
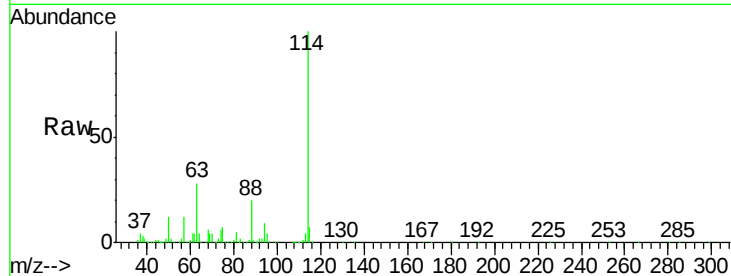
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.00 min
 Lab File: VL034973.D
 Acq: 7 May 2020 18:33

Instrument :
 MSVOA_L
 ClientSampleId :
 IIA2DUP

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.7	22.2	33.4
88	19.1	15.5	23.3

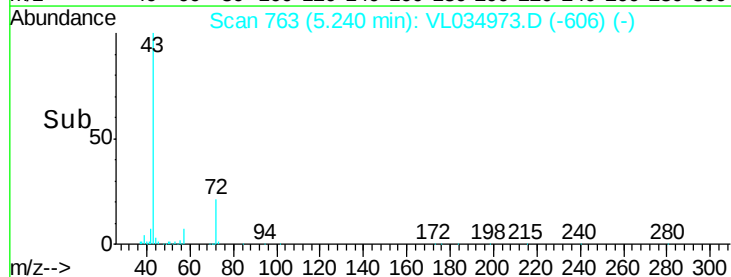
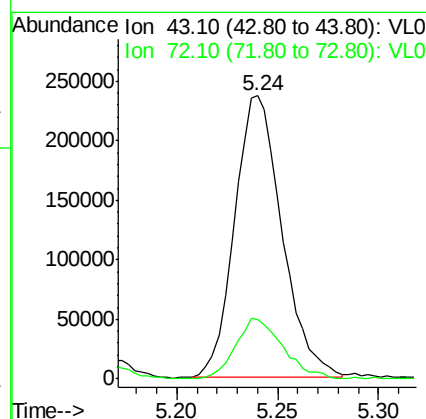
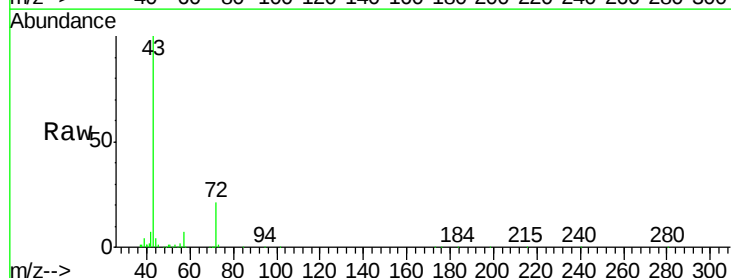
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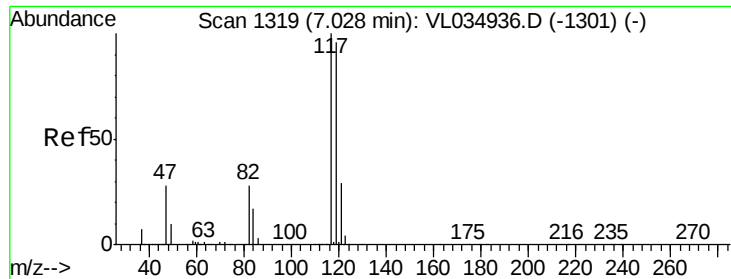
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#34
 2-Butanone
 Concen: 2.729 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VL034973.D
 Acq: 7 May 2020 18:33

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.8	18.0	27.0





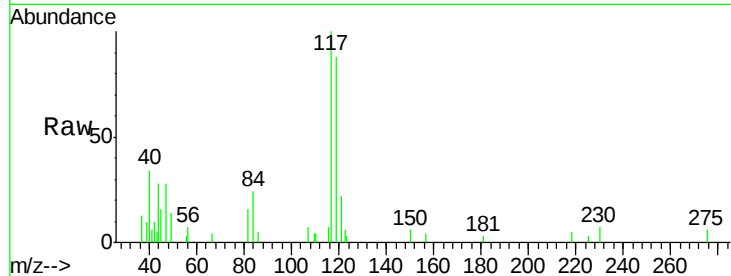
#35
Carbon Tetrachloride
Concen: 0.062 ppbv m
RT: 7.02 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VL034973.D
Acq: 7 May 2020 18:33

Instrument :
MSVOA_L
ClientSampleId :
IIA2DUP

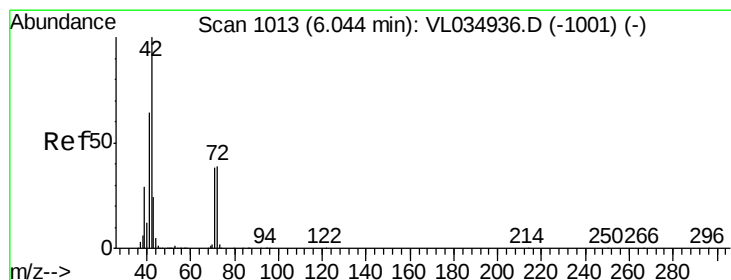
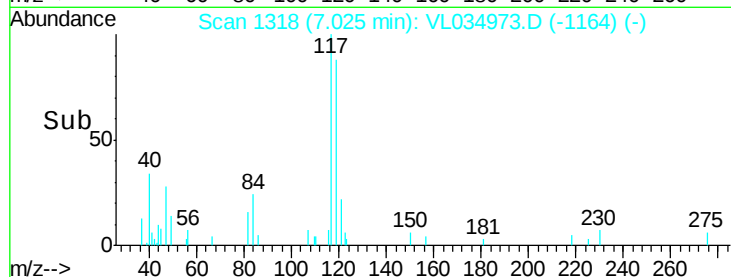
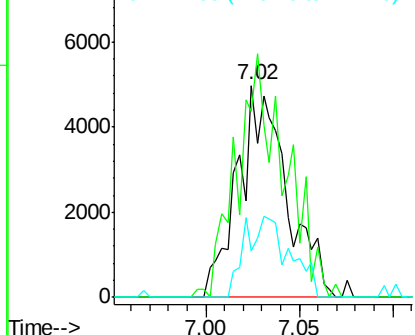
Tot Ion	Ratio	Lower	Upper
117	100		
119	87.7	77.0	115.6
121	22.1	23.0	34.6#

Manual Integrations
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5/8/2020 5:22:41 PM

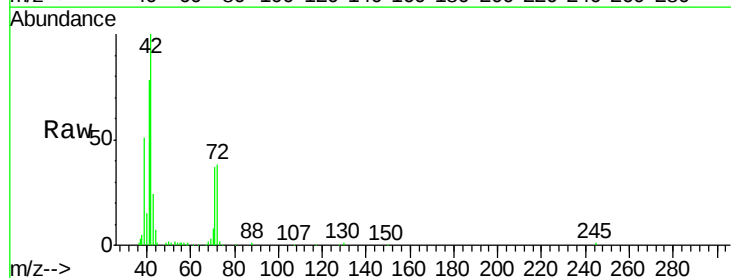


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

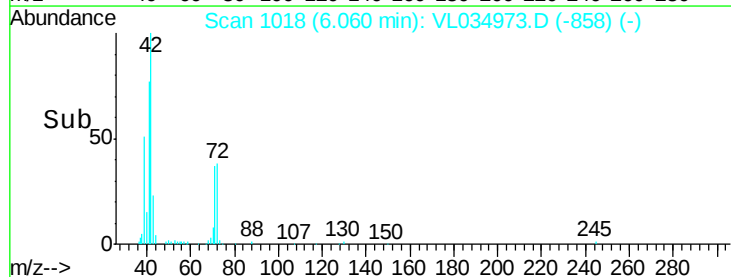
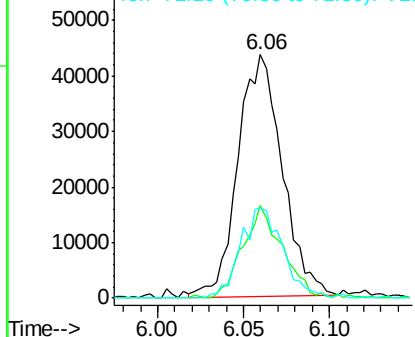


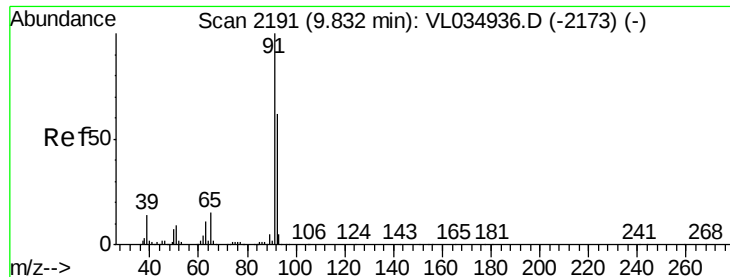
#41
Tetrahydrofuran
Concen: 1.036 ppbv
RT: 6.06 min Scan# 1018
Delta R.T. 0.02 min
Lab File: VL034973.D
Acq: 7 May 2020 18:33

Tgt Ion	Ratio	Lower	Upper
42	100		
72	35.1	31.4	47.0
71	35.7	29.8	44.8



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0





#53

Toluene

Concen: 1.403 ppbv

RT: 9.84 min Scan# 2193

Delta R.T. 0.01 min

Lab File: VL034973.D

Acq: 7 May 2020 18:33

Instrument :

MSVOA_L

ClientSampleId :

IIA2DUP

Tot Ion: 91 Resp: 281989

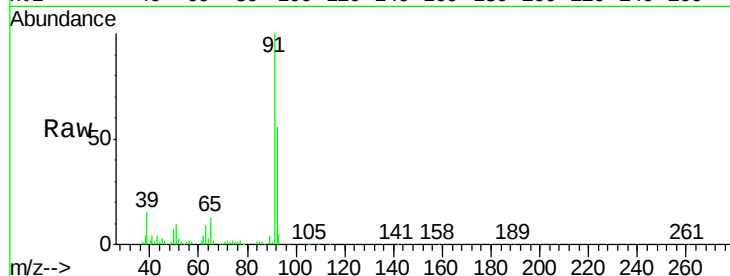
Ion Ratio Lower Upper

91 100

92 61.0 48.6 73.0

Manual Integrations
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5/8/2020 5:22:41 PM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.84

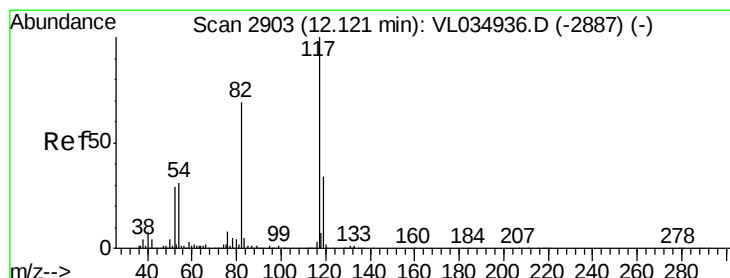
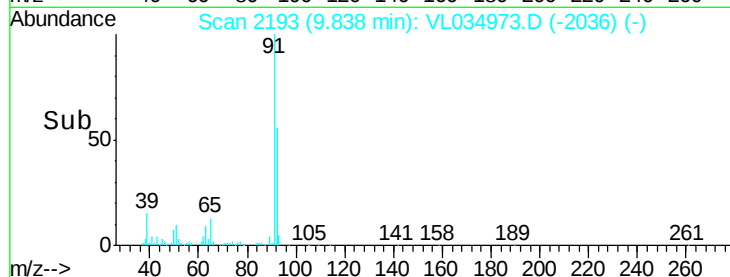
150000

100000

50000

0

Time-->



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.13 min Scan# 2905

Delta R.T. 0.01 min

Lab File: VL034973.D

Acq: 7 May 2020 18:33

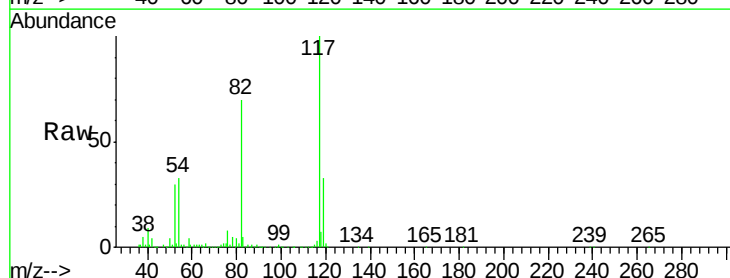
Tgt Ion: 117 Resp: 2082527

Ion Ratio Lower Upper

117 100

82 69.8 53.1 79.7

119 32.9 26.7 40.1



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

1200000

1000000

800000

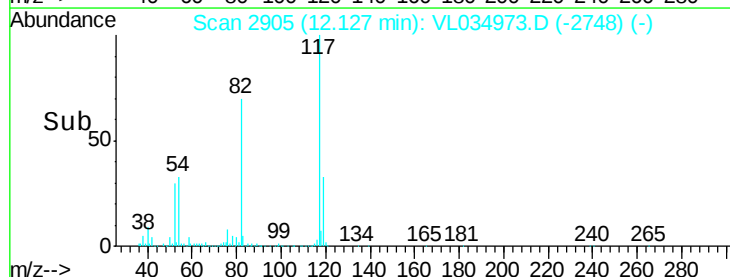
600000

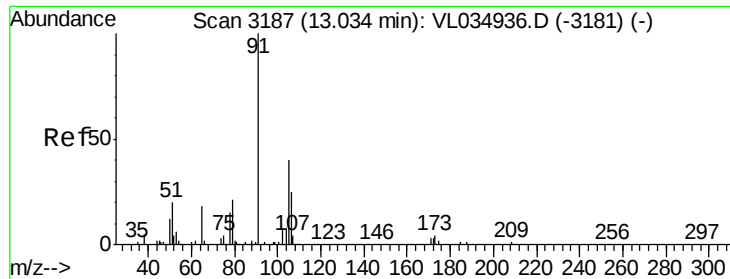
400000

200000

0

Time-->





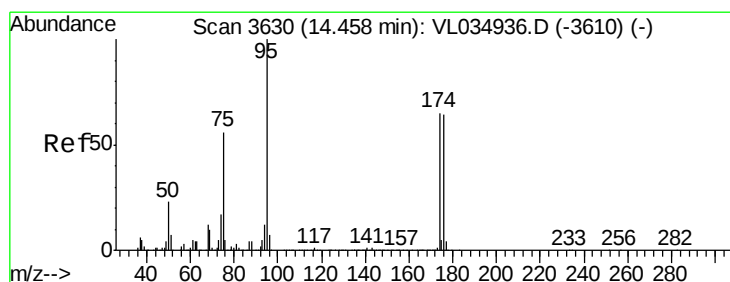
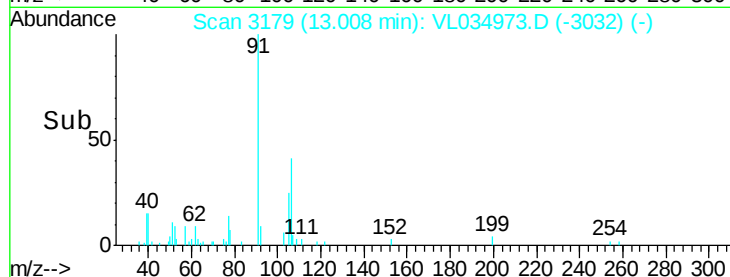
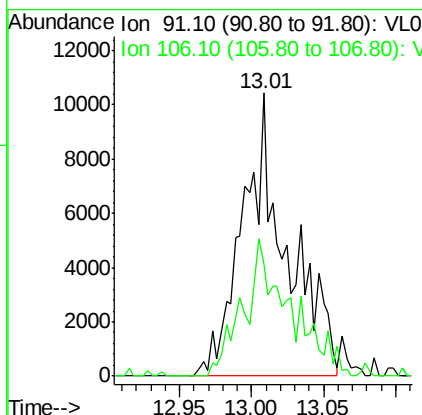
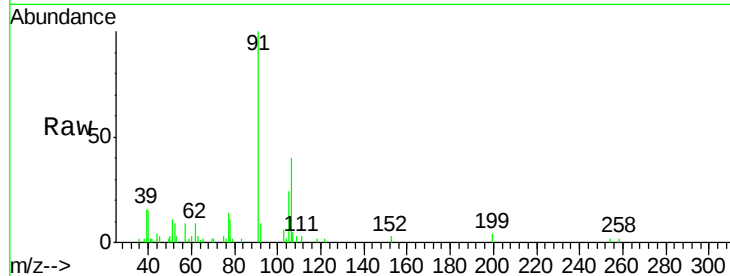
#59
m/p-Xylene
Concen: 0.098 ppbv m
RT: 13.01 min Scan# 3179
Delta R.T. -0.03 min
Lab File: VL034973.D
Acq: 7 May 2020 18:33

Instrument :
MSVOA_L
ClientSampleId :
IIA2DUP

Tot Ion: 91 Resp: 22167
Ion Ratio Lower Upper
91 100
106 0.0 66.0 99.0#

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.460 ppbv
RT: 14.46 min Scan# 3631
Delta R.T. 0.00 min
Lab File: VL034973.D
Acq: 7 May 2020 18:33

Tgt Ion: 95 Resp: 1763167
Ion Ratio Lower Upper
95 100
174 64.5 51.5 77.3
175 4.6 3.8 5.8

