

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051920\
 Data File : VL035048.D
 Acq On : 19 May 2020 17:40
 Operator : SY/AP
 Sample : L2683-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA

Manual Integrations
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 5/20/2020 4:27:22 PM

Quant Time: May 20 06:03:09 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	5.64	49	1023504	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2290337	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.10	117	2123749	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	1833480	10.67	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.70%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.00	85	32930	0.227	ppbv	97
3) Chlorodifluoromethane	2.94	51	36669m	0.314	ppbv	
4) Chloromethane	3.10	50	52987	0.791	ppbv	89
9) Propene	2.97	41	36947	0.729	ppbv	84
11) Trichlorofluoromethane	3.91	101	30878	0.206	ppbv #	81
13) Ethanol	3.57	45	81256	4.856	ppbv	94
15) Acetone	3.81	43	435979	3.222	ppbv	98
20) Methylene Chloride	4.31	84	25550	0.570	ppbv	95

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

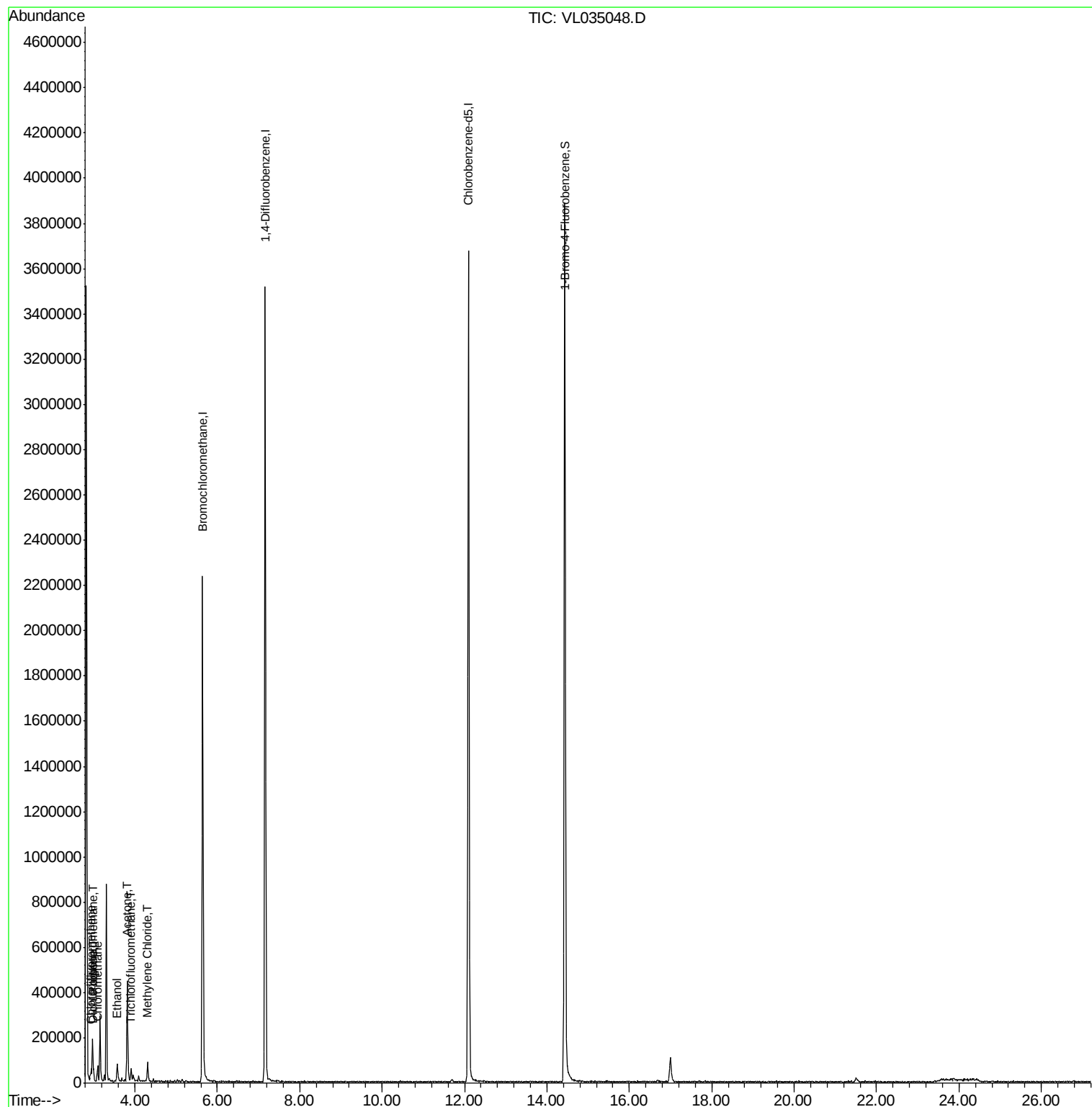
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051920\
Data File : VL035048.D
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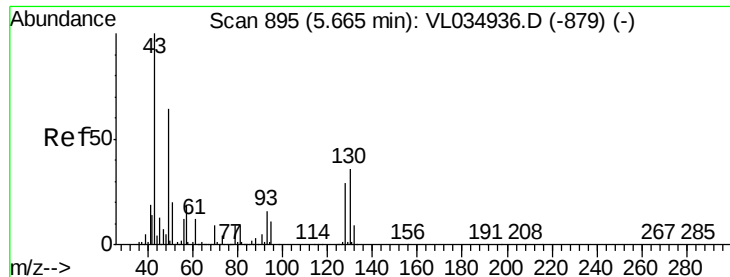
Instrument :
MSVOA_L
ClientSampleId :
QA

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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: 5.64 min Scan# 888

Delta R.T. -0.02 min

Lab File: VL035048.D

Acq: 19 May 2020 17:40

Instrument :

MSVOA_L

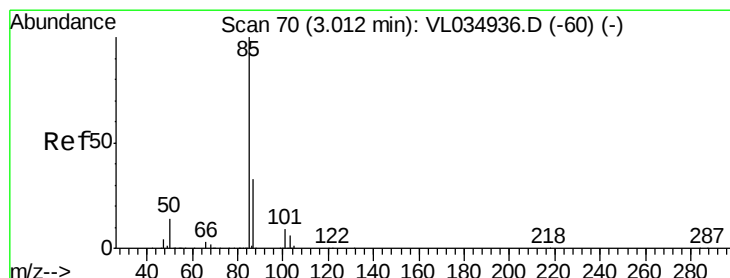
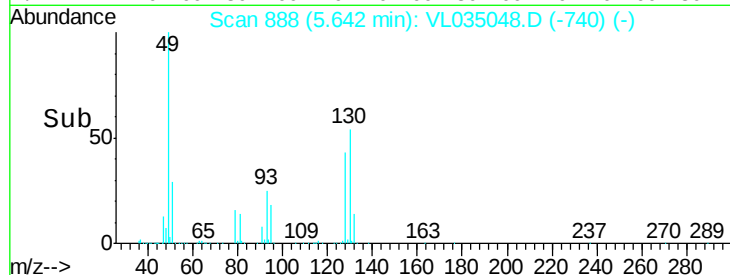
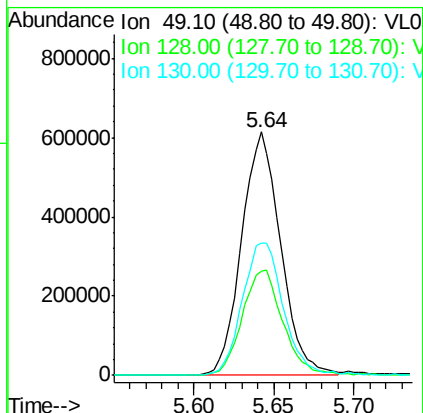
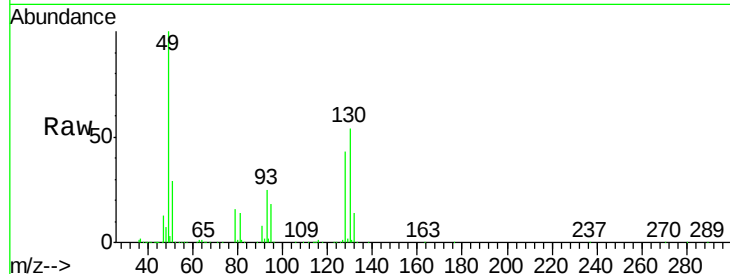
ClientSampleId :

QA

Tot Ion:	49	Resp:	1023504
Ion	Ratio	Lower	Upper
49	100		
128	45.4	22.1	66.5
130	57.6	29.1	87.3

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#2

Dichlorodifluoromethane

Concen: 0.227 ppbv

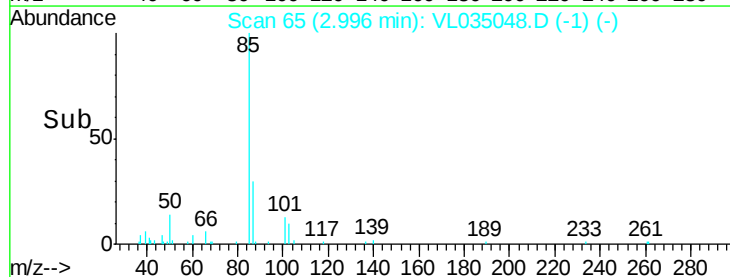
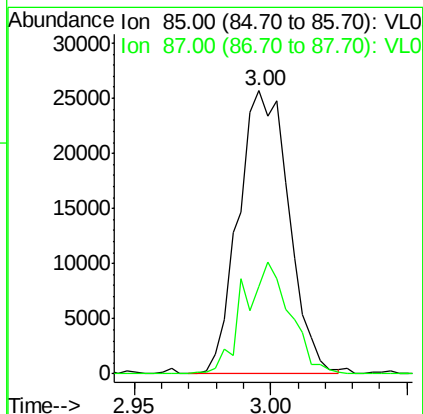
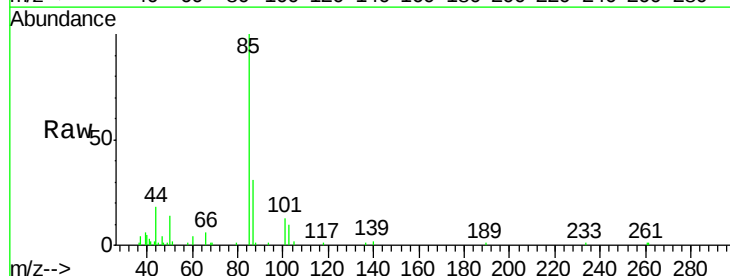
RT: 3.00 min Scan# 65

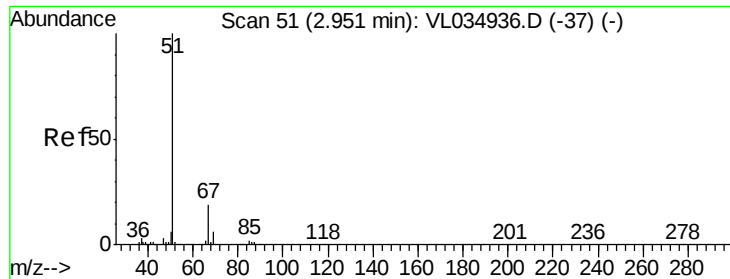
Delta R.T. -0.02 min

Lab File: VL035048.D

Acq: 19 May 2020 17:40

Tgt Ion:	85	Resp:	32930
Ion	Ratio	Lower	Upper
85	100		
87	30.9	26.2	39.2





#3

Chlorodifluoromethane

Concen: 0.314 ppbv

RT: 2.94 min Scan# 47

Delta R.T. -0.01 min

Lab File: VL035048.D

Acq: 19 May 2020 17:40

Instrument :

MSVOA_L

ClientSampleId :

QA

Tot Ion: 51 Resp: 36669

Ion Ratio Lower Upper

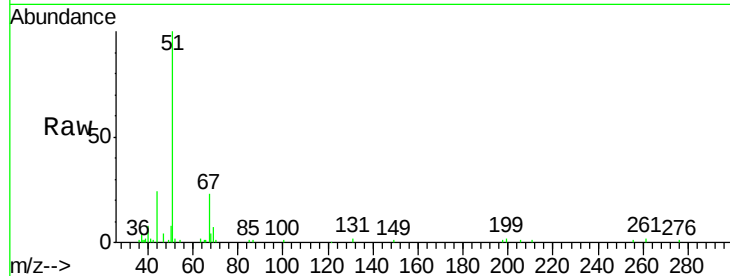
51 100

67 23.8 15.0 22.6#

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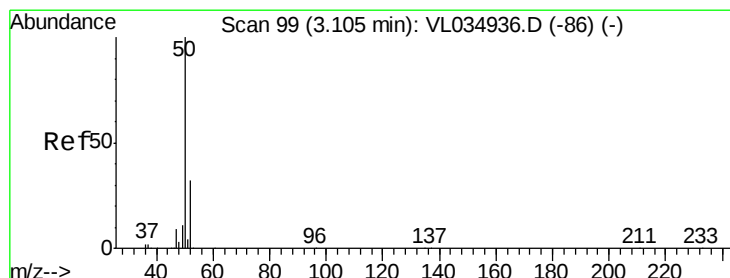
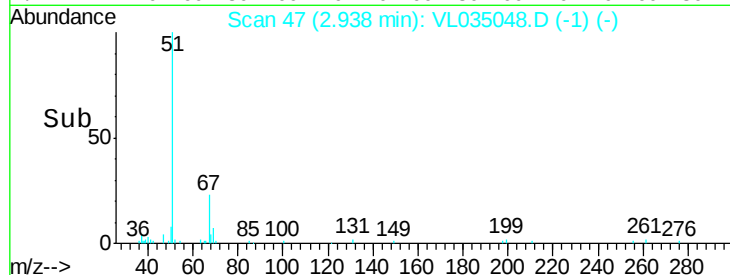
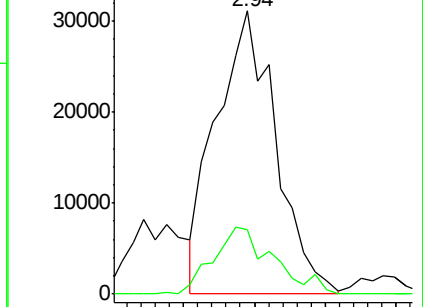
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.791 ppbv

RT: 3.10 min Scan# 96

Delta R.T. -0.01 min

Lab File: VL035048.D

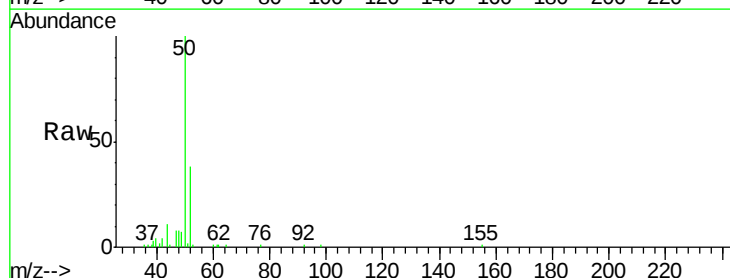
Acq: 19 May 2020 17:40

Tgt Ion: 50 Resp: 52987

Ion Ratio Lower Upper

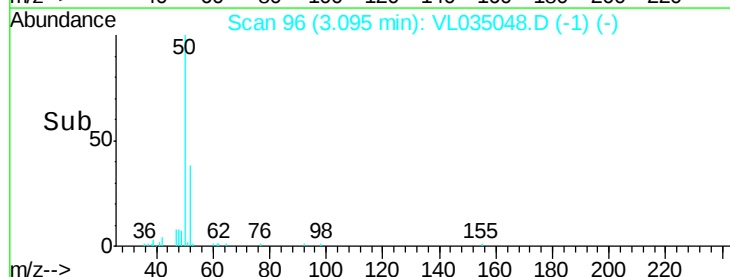
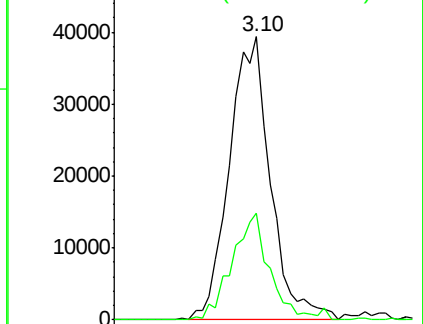
50 100

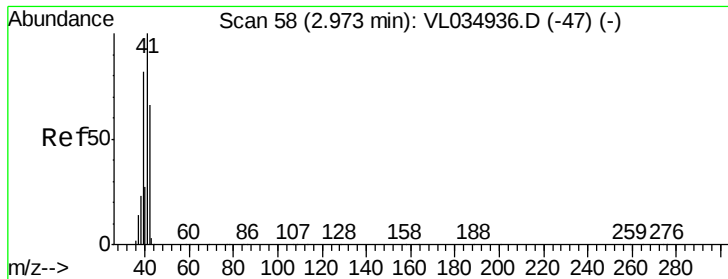
52 37.9 25.4 38.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.729 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.00 min

Lab File: VL035048.D

Acq: 19 May 2020 17:40

Instrument :

MSVOA_L

ClientSampled :

QA

Tot Ion: 41 Resp: 36947

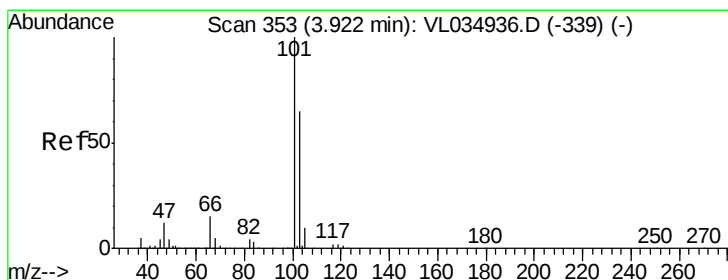
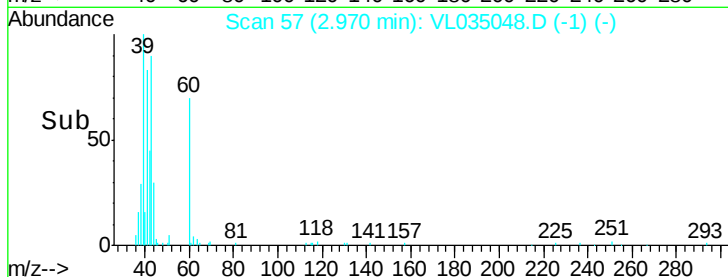
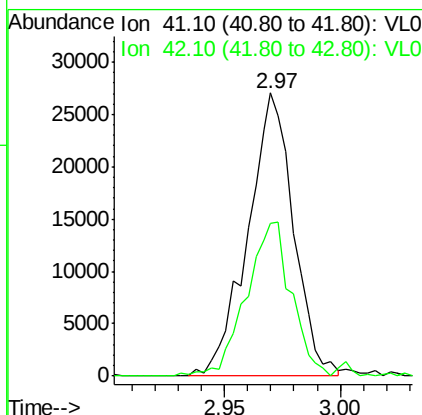
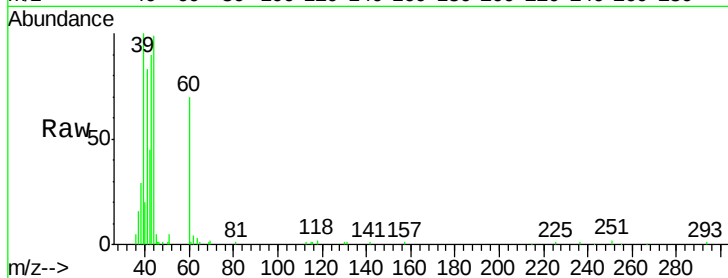
Ion Ratio Lower Upper

41 100

42 55.4 54.5 81.7

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#11

Trichlorofluoromethane

Concen: 0.206 ppbv

RT: 3.91 min Scan# 349

Delta R.T. -0.01 min

Lab File: VL035048.D

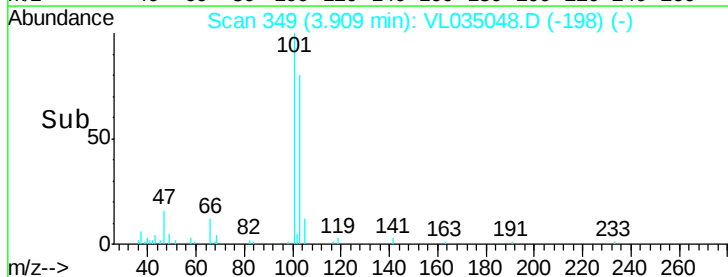
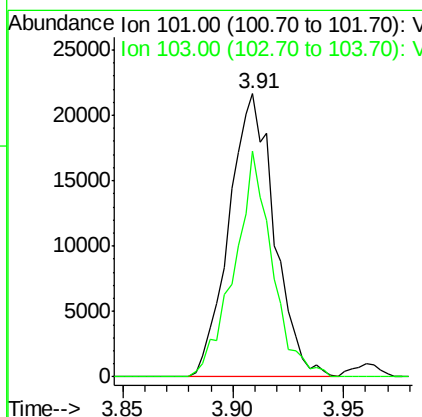
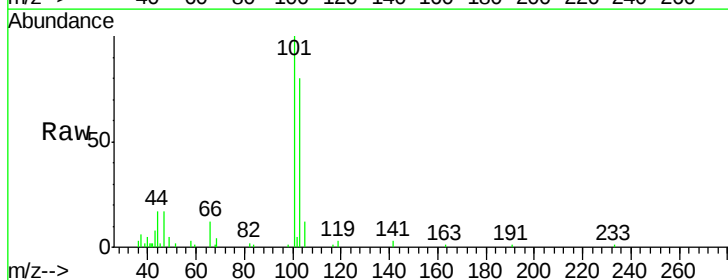
Acq: 19 May 2020 17:40

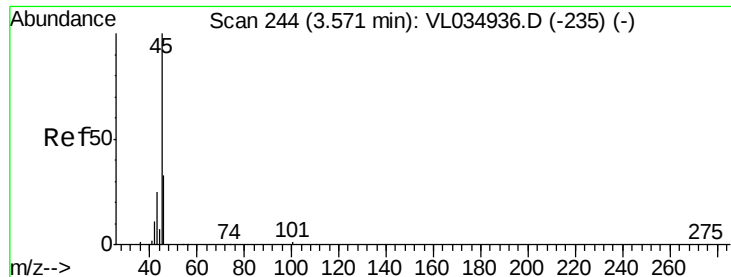
Tgt Ion: 101 Resp: 30878

Ion Ratio Lower Upper

101 100

103 79.6 51.9 77.9#





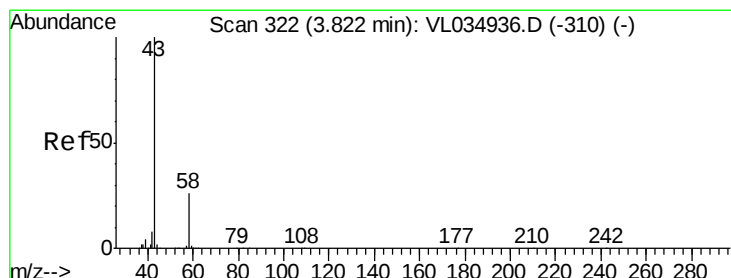
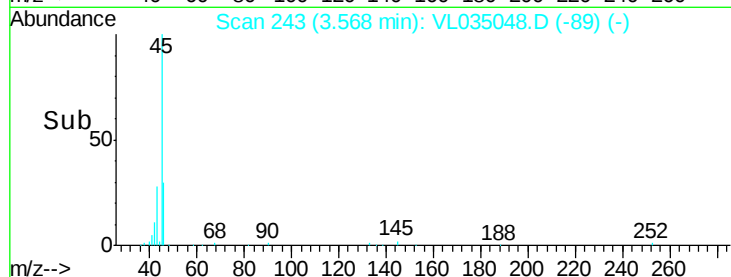
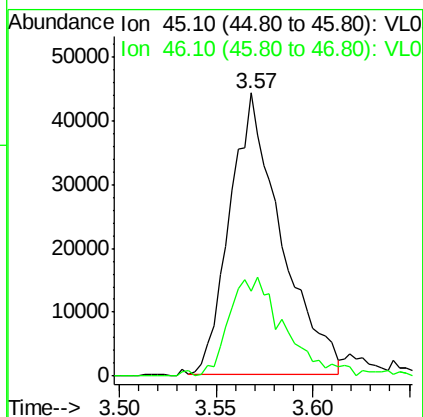
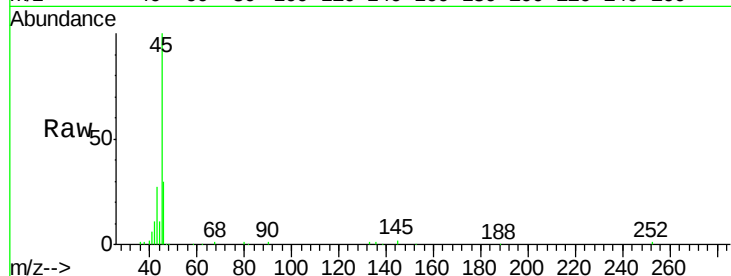
#13
Ethanol
Concen: 4.856 ppbv
RT: 3.57 min Scan# 243
Delta R.T. -0.00 min
Lab File: VL035048.D
Acq: 19 May 2020 17:40

Instrument :
MSVOA_L
ClientSampled :
QA

Tot Ion	45	Resp	81256
Ion Ratio	100	Lower	Upper
45	100		
46	39.3	14.3	57.3

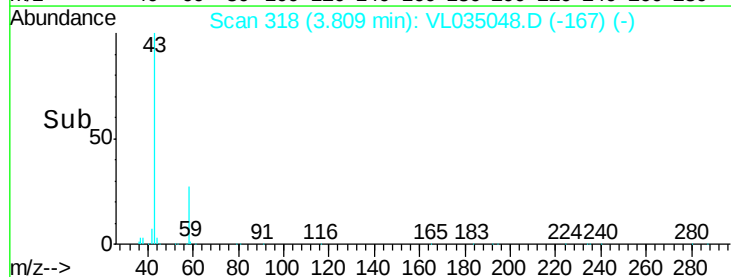
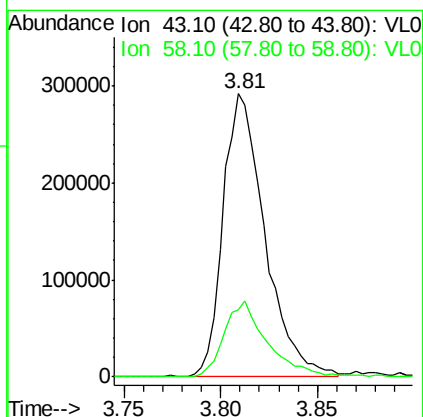
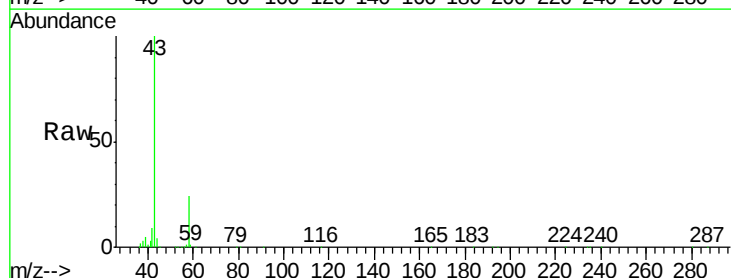
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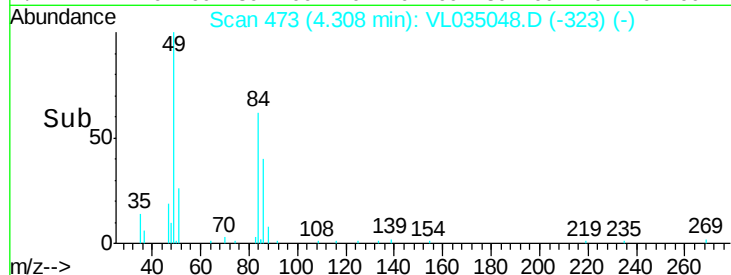
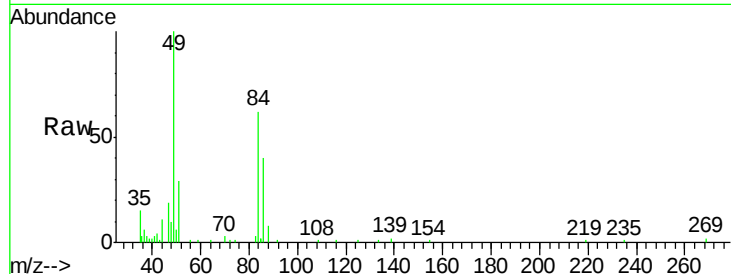
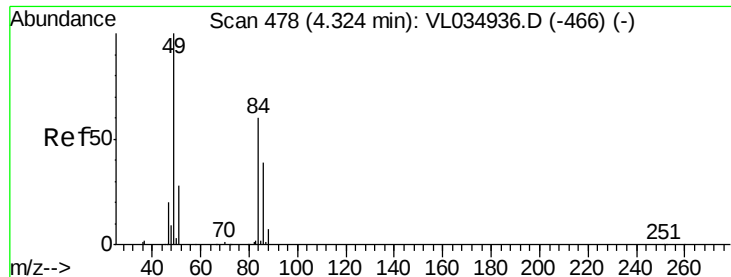
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#15
Acetone
Concen: 3.222 ppbv
RT: 3.81 min Scan# 318
Delta R.T. -0.01 min
Lab File: VL035048.D
Acq: 19 May 2020 17:40

Tgt Ion	43	Resp	435979
Ion Ratio	100	Lower	Upper
43	100		
58	28.1	21.7	32.5





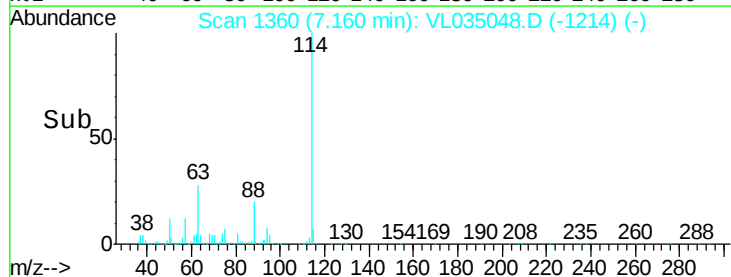
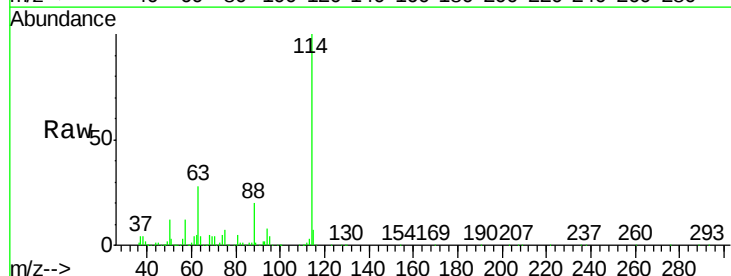
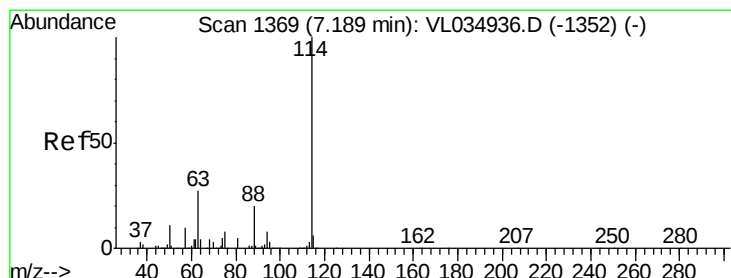
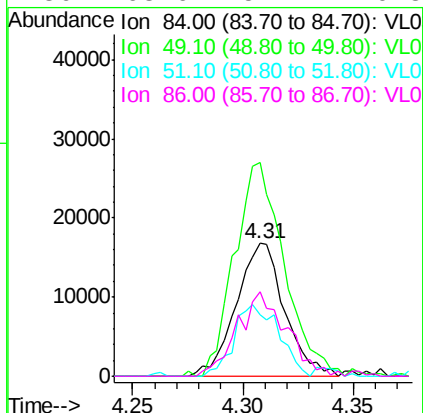
#20
Methvlene Chloride
Concen: 0.570 ppbv
RT: 4.31 min Scan# 473
Delta R.T. -0.02 min
Lab File: VL035048.D
Acq: 19 May 2020 17:40

Tot Ion	84	Resp	25550
Ion Ratio	Lower	Upper	
84	100		
49	156.6	132.5	198.7
51	46.3	38.4	57.6
86	63.6	51.2	76.8

Instrument :
MSVOA_L
ClientSampleId :
QA

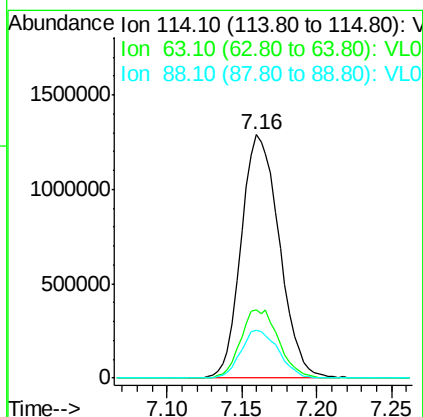
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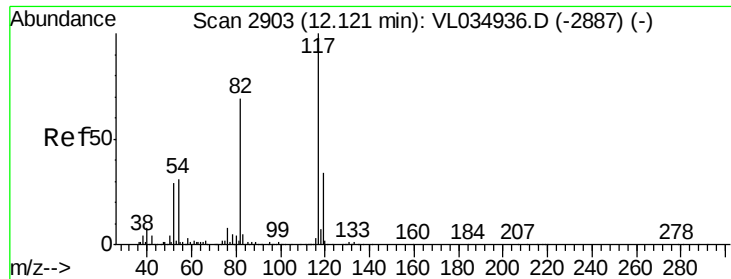
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.03 min
Lab File: VL035048.D
Acq: 19 May 2020 17:40

Tgt Ion	114	Resp	2290337
Ion Ratio	Lower	Upper	
114	100		
63	28.3	22.2	33.4
88	19.4	15.5	23.3





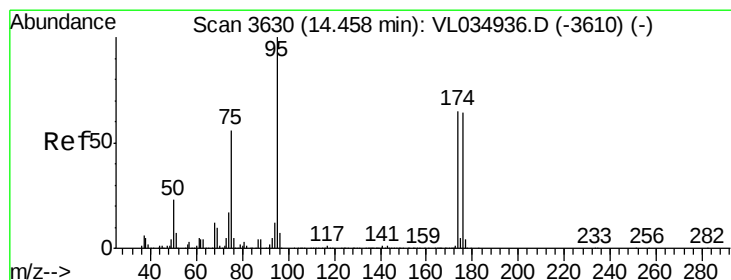
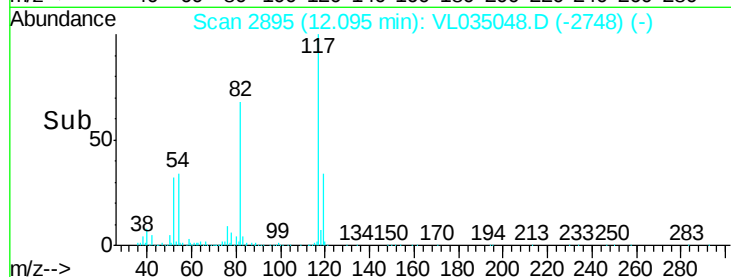
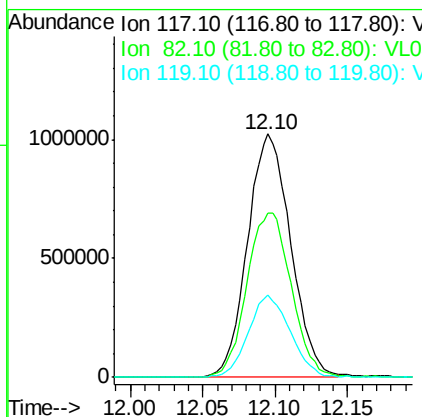
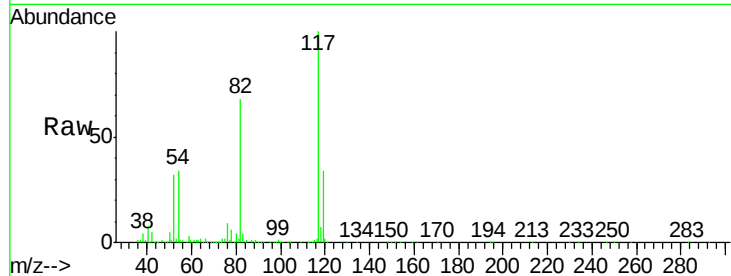
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.03 min
Lab File: VL035048.D
Acq: 19 May 2020 17:40

Instrument :
MSVOA_L
ClientSampled :
QA

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.8	53.1	79.7
119	33.1	26.7	40.1

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.666 ppbv
RT: 14.43 min Scan# 3621
Delta R.T. -0.03 min
Lab File: VL035048.D
Acq: 19 May 2020 17:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	64.4	51.5	77.3
175	4.4	3.8	5.8

