

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL020420\
 Data File : VL034589.D
 Acq On : 4 Feb 2020 21:12
 Operator : SY/AP
 Sample : L1357-03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1

Manual Integrations
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Quant Time: Feb 05 14:24:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 2020
 QLast Update : Thu Jan 30 17:16:44 2020
 Response via : Initial Calibration

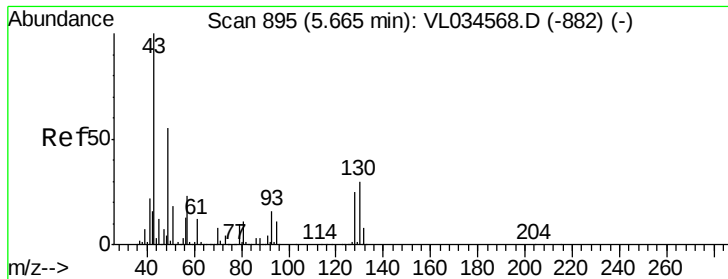
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	846472	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	1737100	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	1633677	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1438196	10.42	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	95112	0.510	ppbv	97
3) Chlorodifluoromethane	2.95	51	41896m	0.410	ppbv	
4) Chloromethane	3.11	50	31747	0.507	ppbv #	81
9) Propene	2.99	41	338004m	8.488	ppbv	
11) Trichlorofluoromethane	3.93	101	33787	0.199	ppbv #	76
13) Ethanol	3.59	45	67092	6.290	ppbv	100
15) Acetone	3.83	43	323151	2.598	ppbv	100
20) Methylene Chloride	4.33	84	102771	2.170	ppbv	93
34) 2-Butanone	5.25	43	21892m	0.174	ppbv	
41) Tetrahydrofuran	6.08	42	10238m	0.156	ppbv	

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



#1

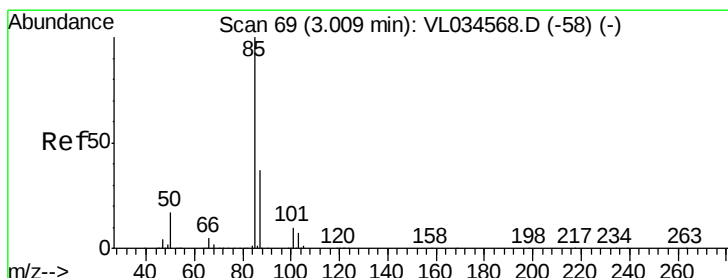
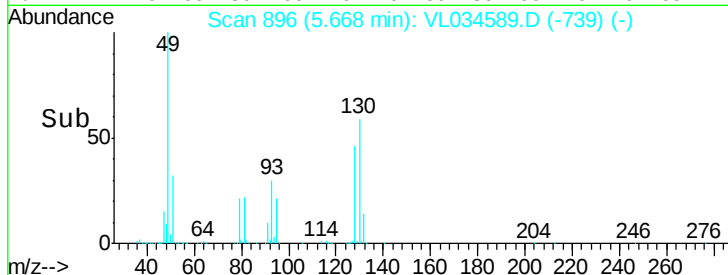
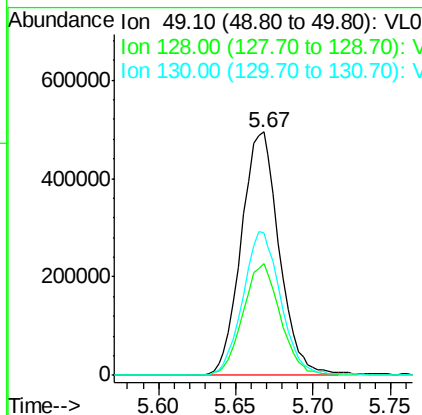
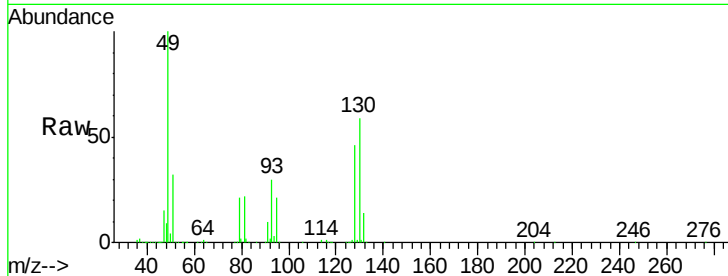
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 896
 Delta R.T. 0.00 min
 Lab File: VL034589.D
 Acq: 4 Feb 2020 21:12

Instrument :
 MSVOA_L
 ClientSampled :
 IA-1

Tot Ion	Ratio	Lower	Upper
49	100		
128	45.6	22.7	68.1
130	59.4	28.6	85.8

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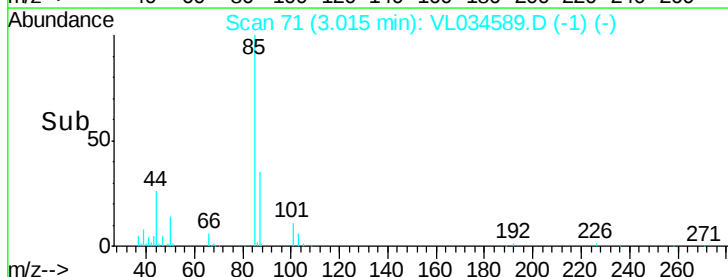
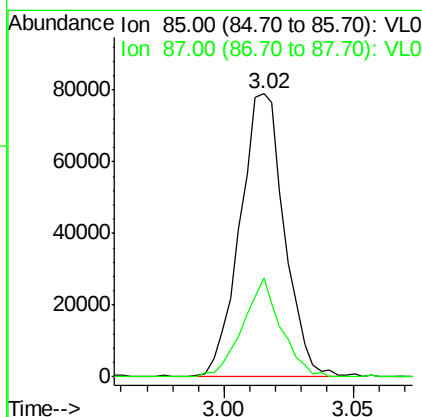
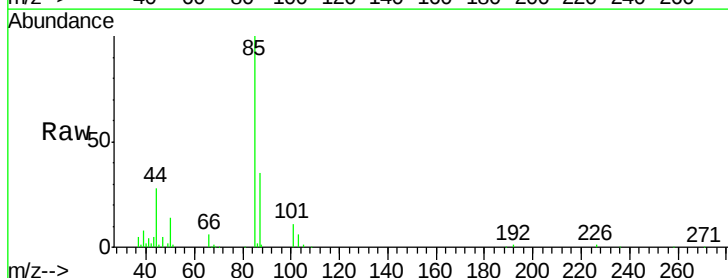
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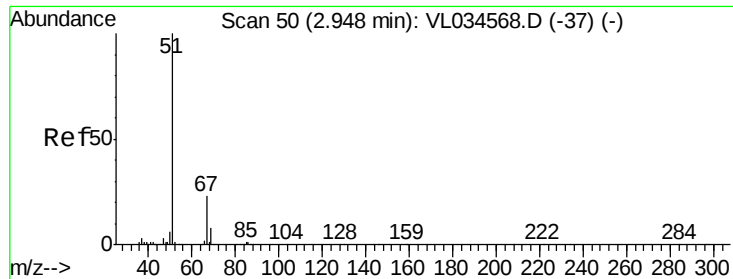


#2

Dichlorodifluoromethane
 Concen: 0.510 ppbv
 RT: 3.02 min Scan# 71
 Delta R.T. 0.01 min
 Lab File: VL034589.D
 Acq: 4 Feb 2020 21:12

Tgt Ion	Ratio	Lower	Upper
85	100		
87	35.0	29.5	44.3





#3

Chlorodifluoromethane

Concen: 0.410 ppbv m

RT: 2.95 min Scan# 52

Delta R.T. 0.01 min

Lab File: VL034589.D

Acq: 4 Feb 2020 21:12

Instrument :

MSVOA_L

ClientSampled :

IA-1

Tot Ion: 51 Resp: 41896

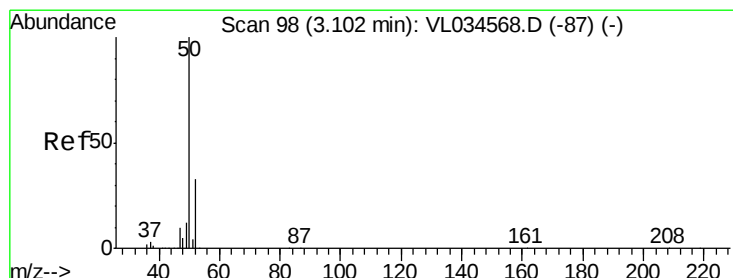
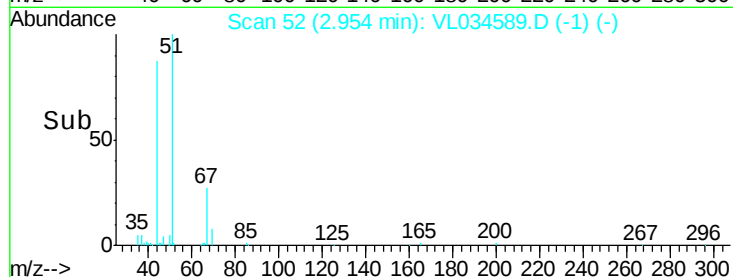
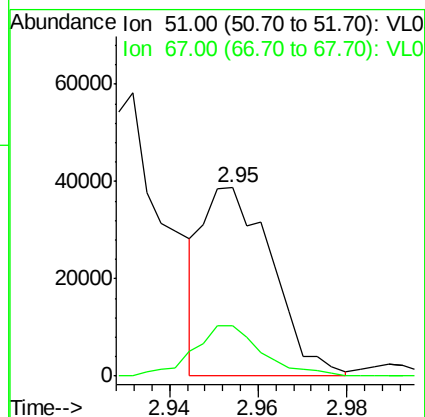
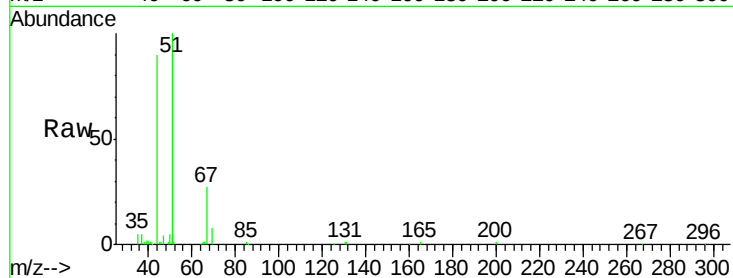
Ion Ratio Lower Upper

51 100

67 26.7 17.8 26.8

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#4

Chloromethane

Concen: 0.507 ppbv

RT: 3.11 min Scan# 100

Delta R.T. 0.01 min

Lab File: VL034589.D

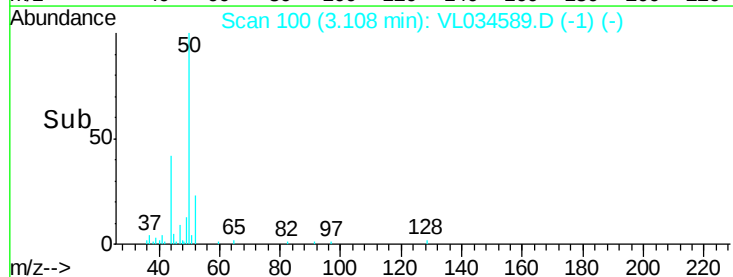
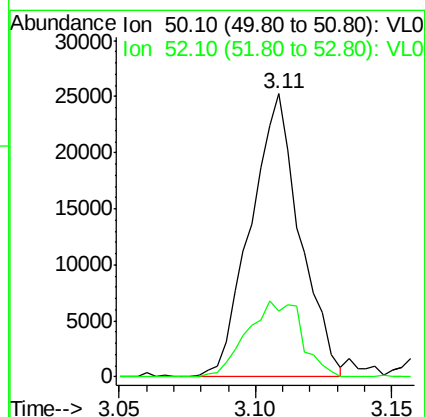
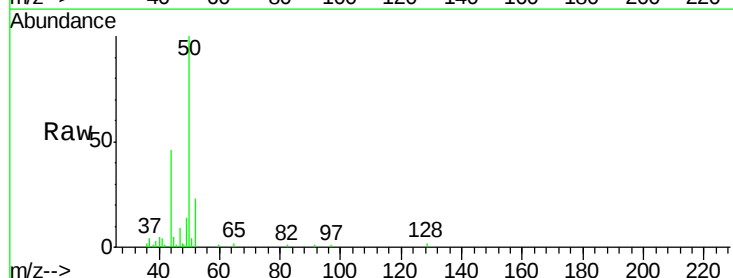
Acq: 4 Feb 2020 21:12

Tgt Ion: 50 Resp: 31747

Ion Ratio Lower Upper

50 100

52 22.5 26.6 39.8#





#9

Propene

Concen: 8.488 ppbv m

RT: 2.99 min Scan# 62

Delta R.T. 0.02 min

Lab File: VL034589.D

Acq: 4 Feb 2020 21:12

Instrument :

MSVOA_L

ClientSampled :

IA-1

Tot Ion: 41 Resp: 338004

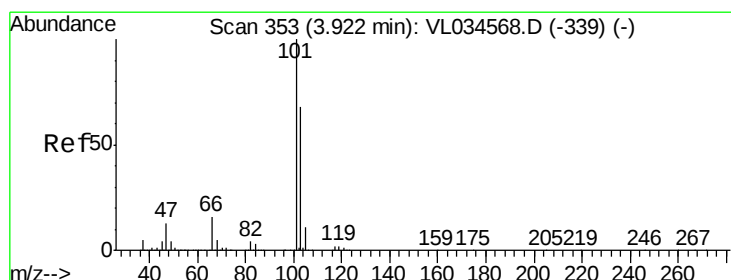
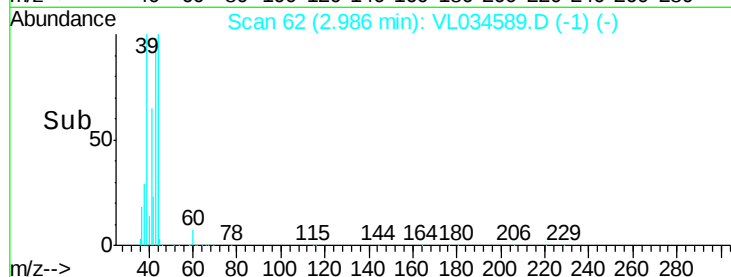
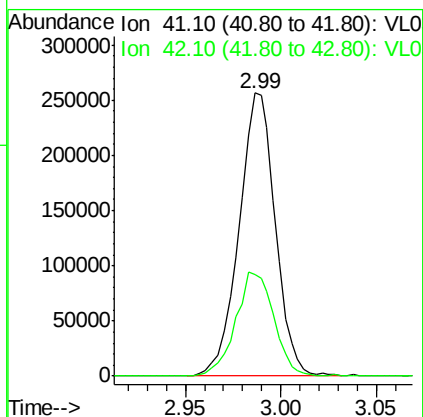
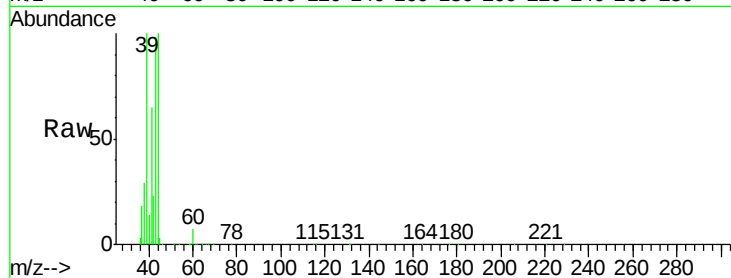
Ion Ratio Lower Upper

41 100

42 24.5 57.0 85.4#

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#11

Trichlorofluoromethane

Concen: 0.199 ppbv

RT: 3.93 min Scan# 356

Delta R.T. 0.01 min

Lab File: VL034589.D

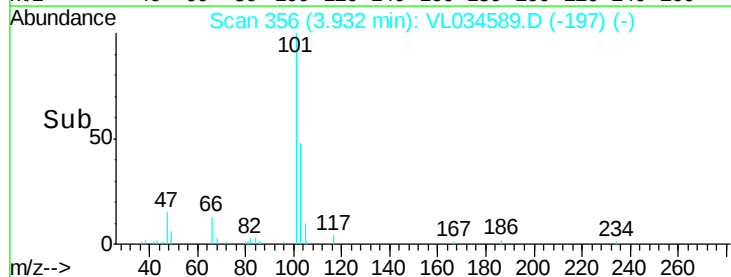
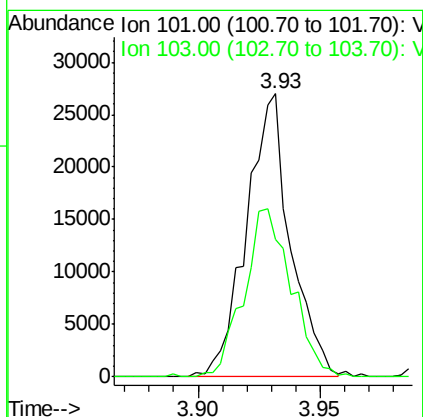
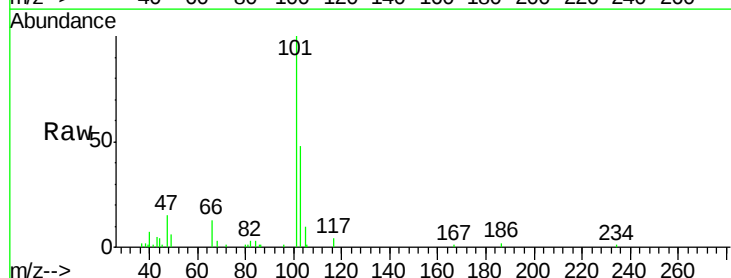
Acq: 4 Feb 2020 21:12

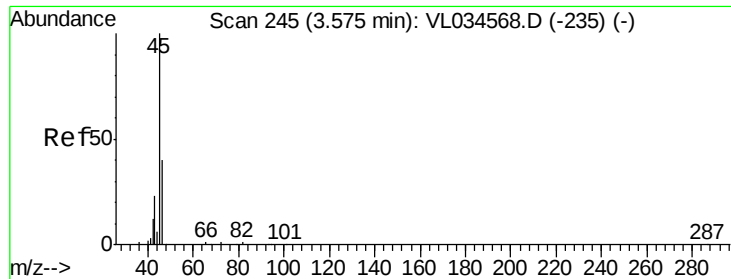
Tgt Ion: 101 Resp: 33787

Ion Ratio Lower Upper

101 100

103 48.5 54.4 81.6#





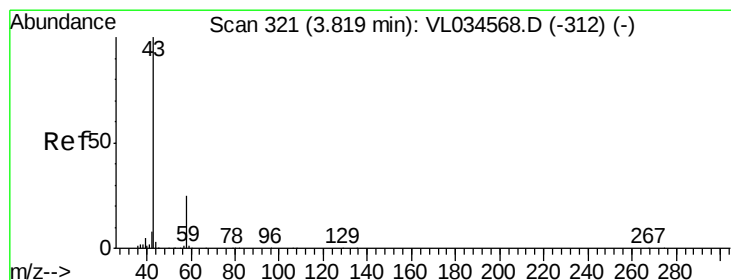
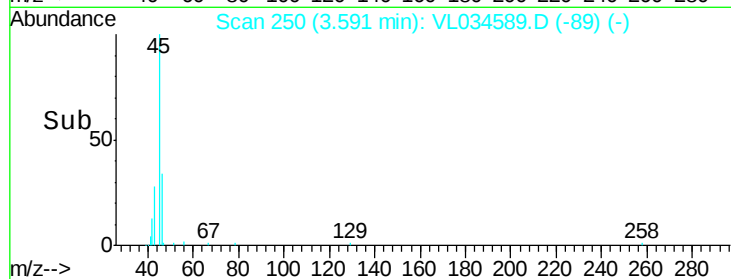
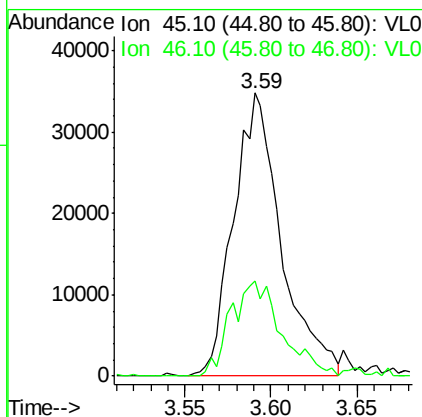
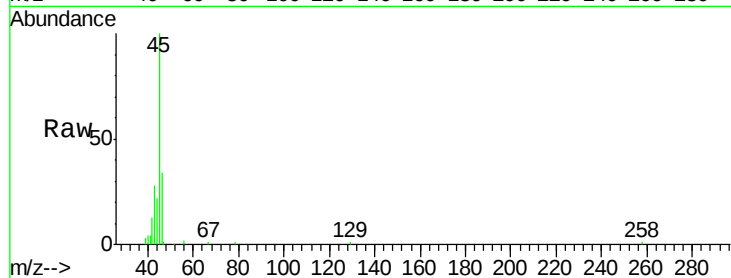
#13
Ethanol
Concen: 6.290 ppbv
RT: 3.59 min Scan# 250
Delta R.T. 0.02 min
Lab File: VL034589.D
Acq: 4 Feb 2020 21:12

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tot Ion: 45 Resp: 67092
Ion Ratio Lower Upper
45 100
46 36.7 14.8 59.2

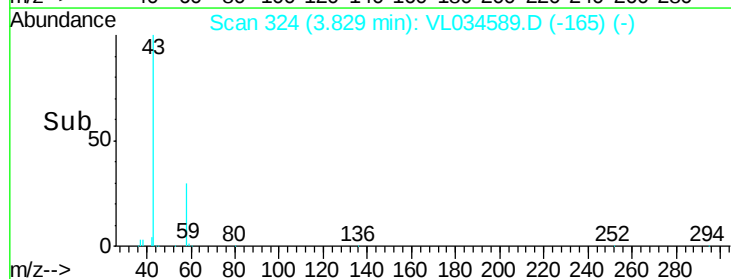
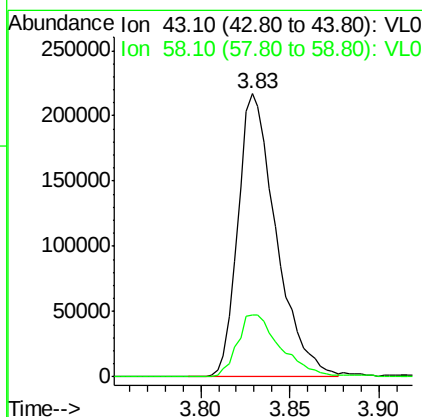
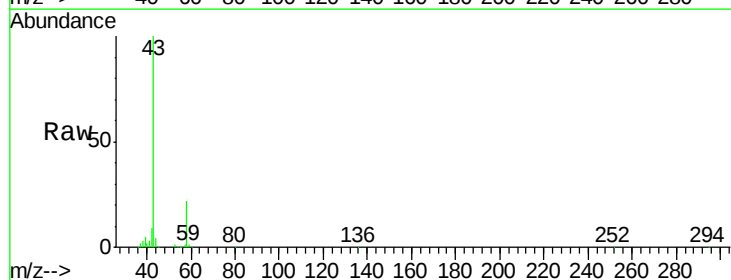
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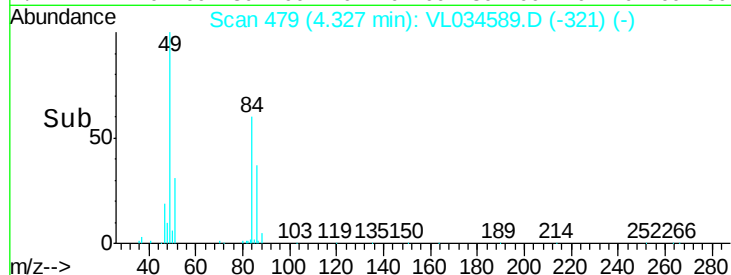
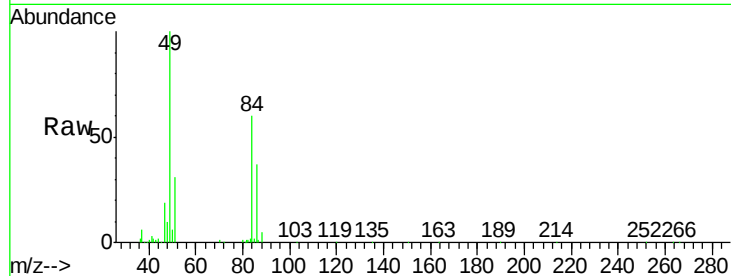
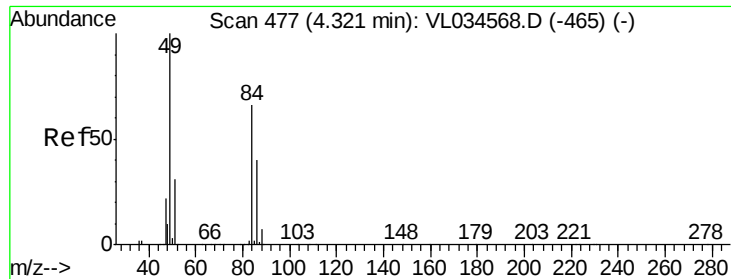
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#15
Acetone
Concen: 2.598 ppbv
RT: 3.83 min Scan# 324
Delta R.T. 0.01 min
Lab File: VL034589.D
Acq: 4 Feb 2020 21:12

Tgt Ion: 43 Resp: 323151
Ion Ratio Lower Upper
43 100
58 25.3 20.3 30.5





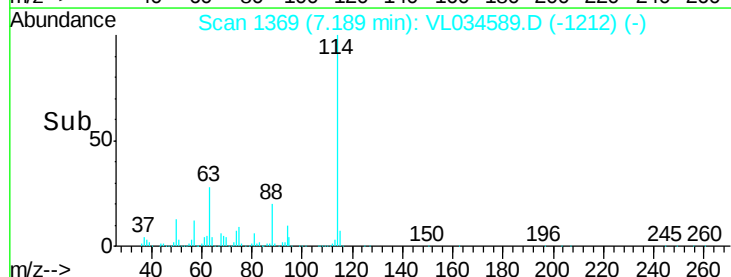
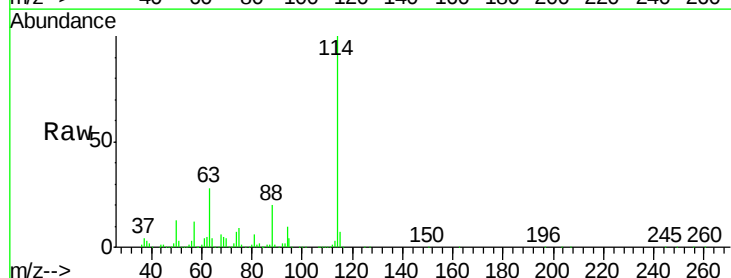
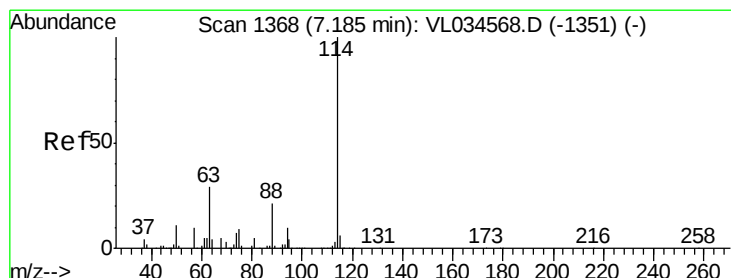
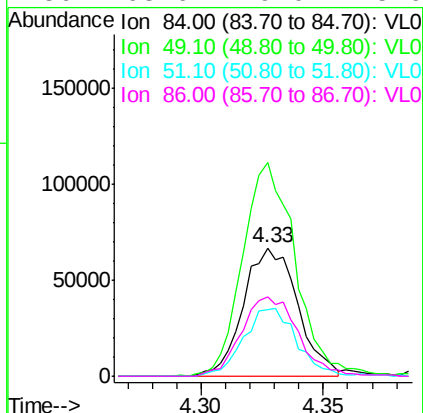
#20
Methylene Chloride
Concen: 2.170 ppbv
RT: 4.33 min Scan# 479
Delta R.T. 0.01 min
Lab File: VL034589.D
Acq: 4 Feb 2020 21:12

Tot Ion	84	Resp	102771
Ion Ratio	Lower	Upper	
84	100		
49	165.7	122.4	183.6
51	51.5	38.6	57.8
86	63.6	49.0	73.6

Instrument :
MSVOA_L
ClientSampled :
IA-1

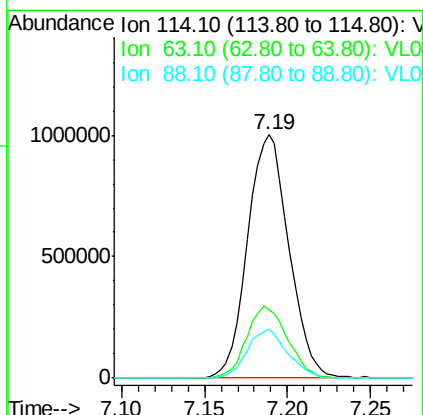
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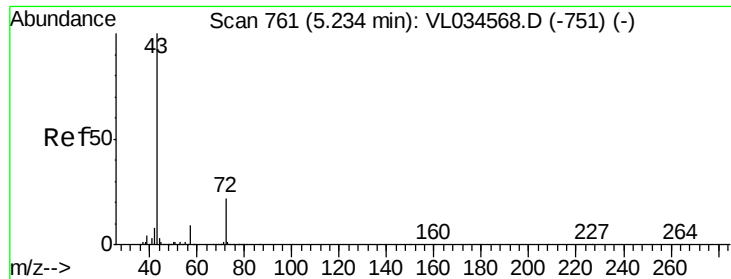
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VL034589.D
Acq: 4 Feb 2020 21:12

Tgt Ion	114	Resp	1737100
Ion Ratio	Lower	Upper	
114	100		
63	29.5	24.1	36.1
88	19.6	15.9	23.9





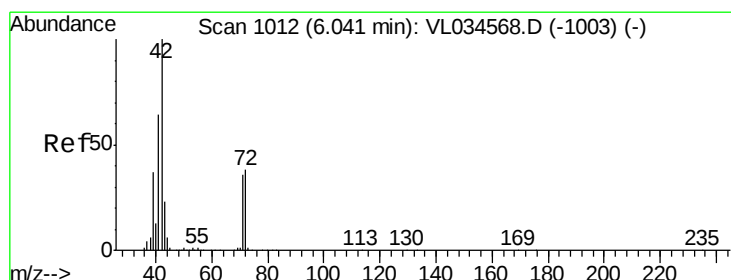
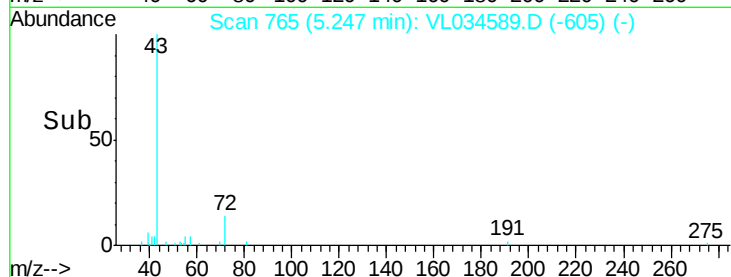
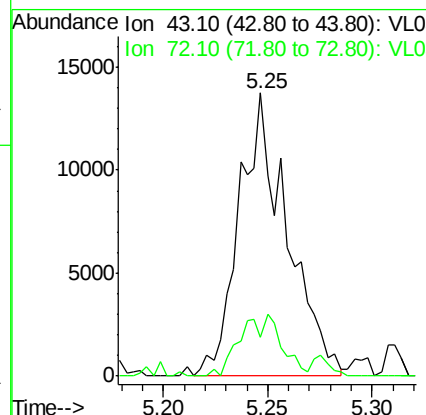
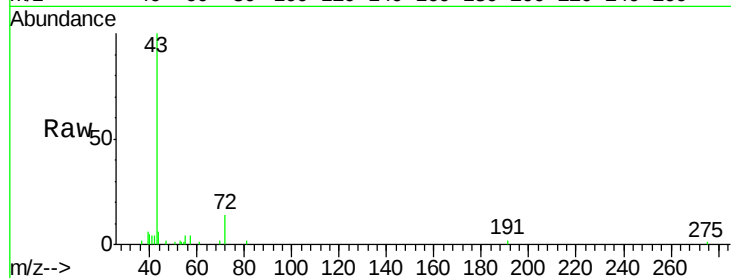
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2-Butanone
Concen: 0.174 ppbv m
RT: 5.25 min Scan# 765
Delta R.T. 0.01 min
Lab File: VL034589.D
Acq: 4 Feb 2020 21:12

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tot Ion	43	Resp	21892
Ion Ratio	Lower	Upper	
43	100		
72	0.0	17.2	25.8#

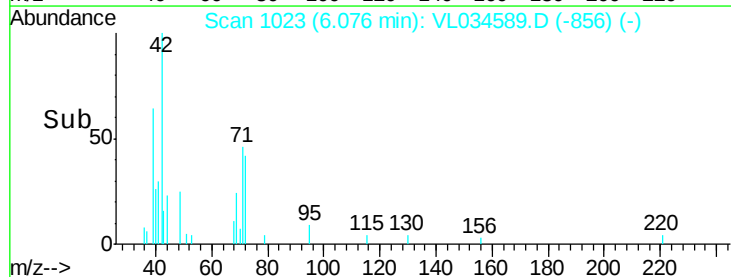
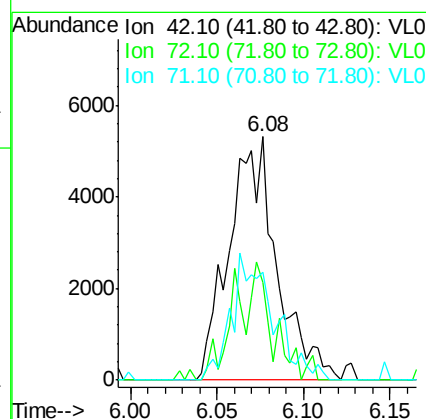
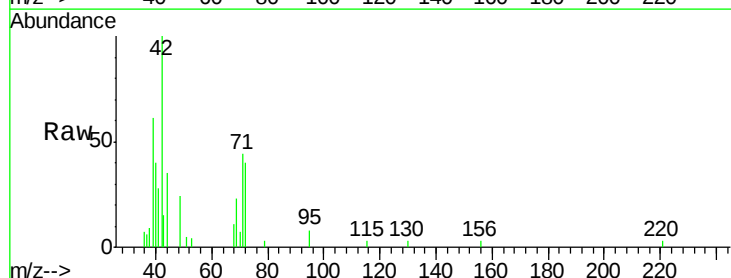
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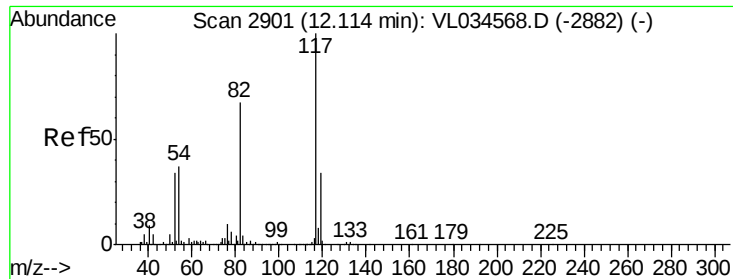
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#41
Tetrahydrofuran
Concen: 0.156 ppbv m
RT: 6.08 min Scan# 1023
Delta R.T. 0.04 min
Lab File: VL034589.D
Acq: 4 Feb 2020 21:12

Tgt Ion	42	Resp	10238
Ion Ratio	Lower	Upper	
42	100		
72	38.9	31.8	47.8
71	45.4	30.2	45.4





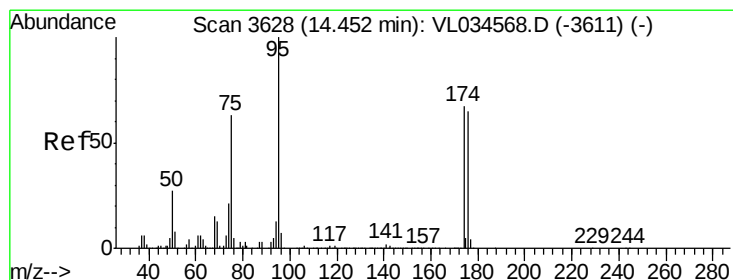
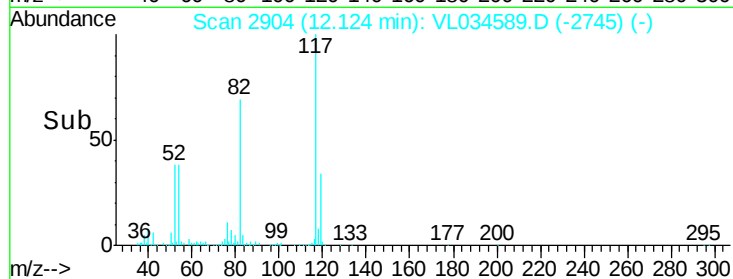
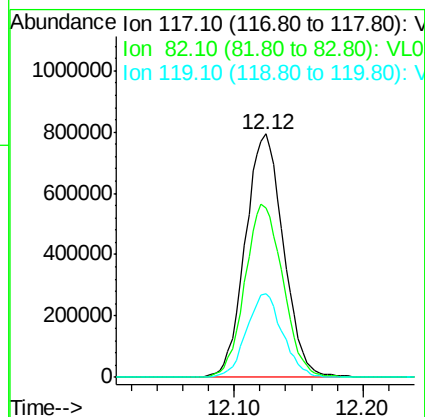
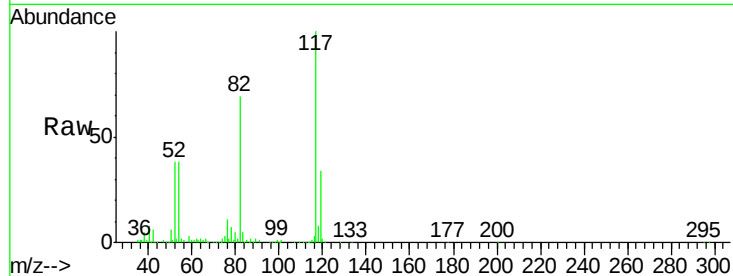
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.01 min
Lab File: VL034589.D
Acq: 4 Feb 2020 21:12

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tot Ion	Ratio	Lower	Upper
117	100		
82	71.3	54.2	81.4
119	32.8	26.1	39.1

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.417 ppbv
RT: 14.46 min Scan# 3630
Delta R.T. 0.01 min
Lab File: VL034589.D
Acq: 4 Feb 2020 21:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	63.7	52.3	78.5
175	4.5	3.8	5.6

