

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL020420\
 Data File : VL034590.D
 Acq On : 4 Feb 2020 21:51
 Operator : SY/AP
 Sample : L1357-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

Manual Integrations
 APPROVED

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 2/5/2020 2:50:50 PM

Quant Time: Feb 05 06:59:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 3
 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	932339	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	1934123	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	1980203	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1689087	10.09	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	38132m	0.869	ppbv	
13) Ethanol	3.60	45	6609m	0.563	ppbv	
15) Acetone	3.84	43	55790	0.407	ppbv #	89
20) Methylene Chloride	4.34	84	19134m	0.367	ppbv	

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

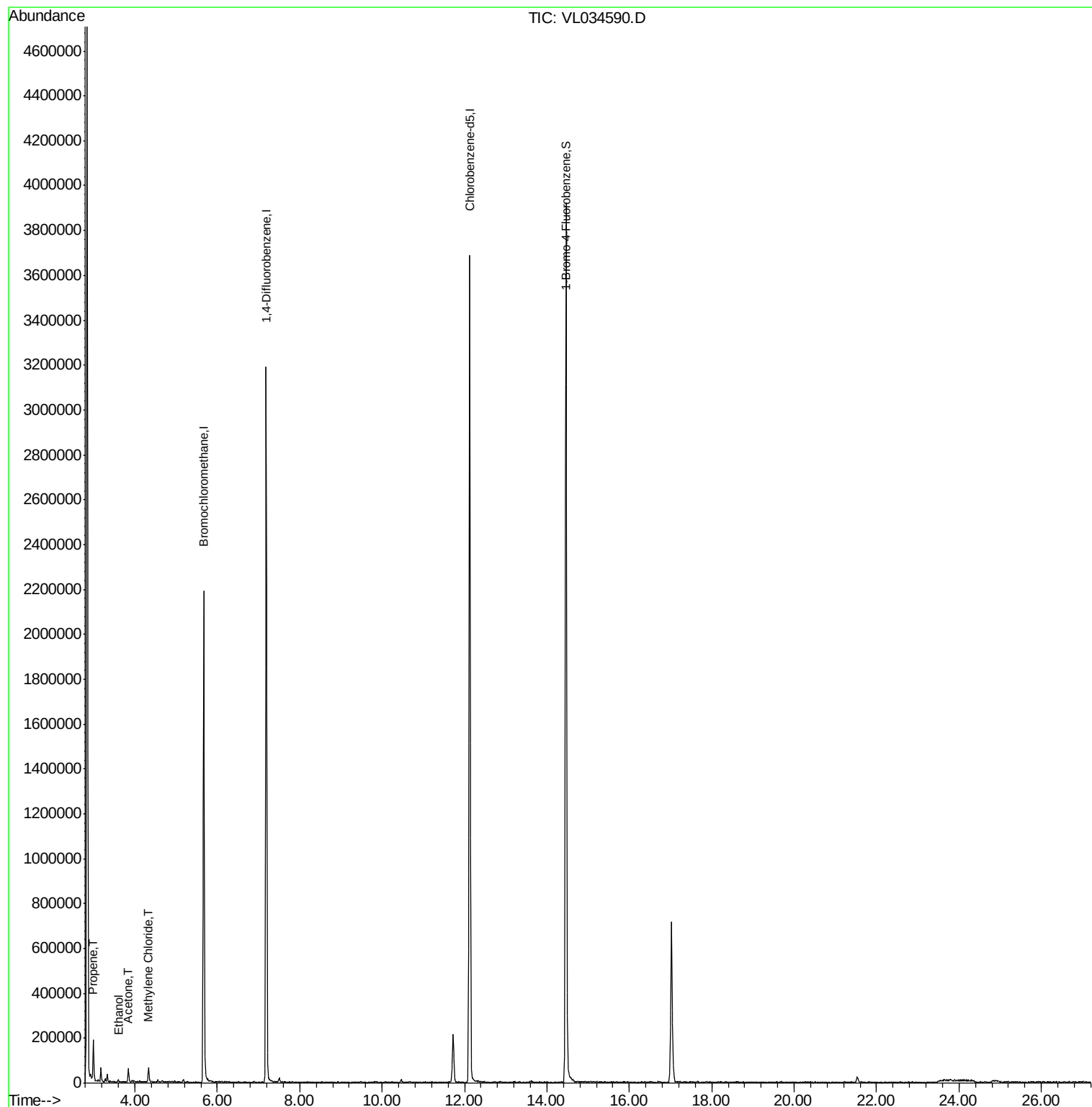
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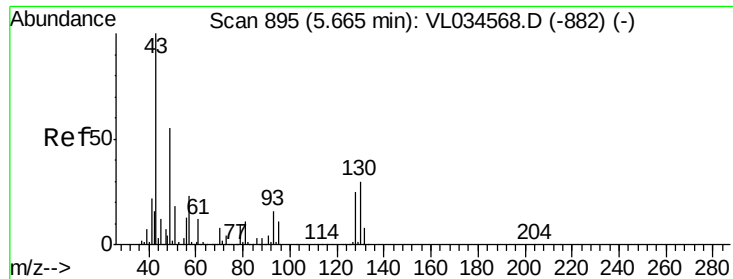
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QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration





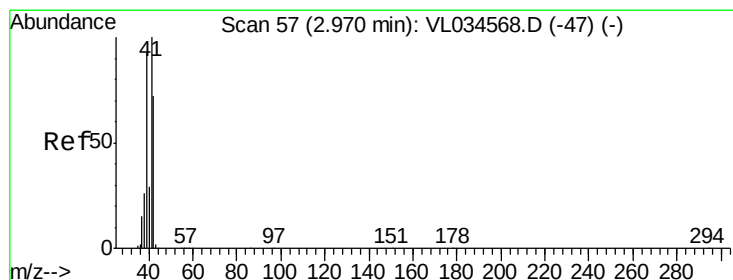
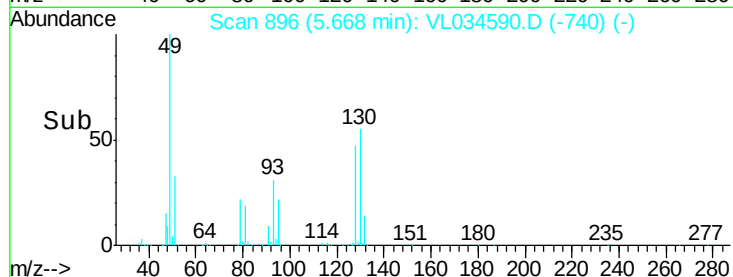
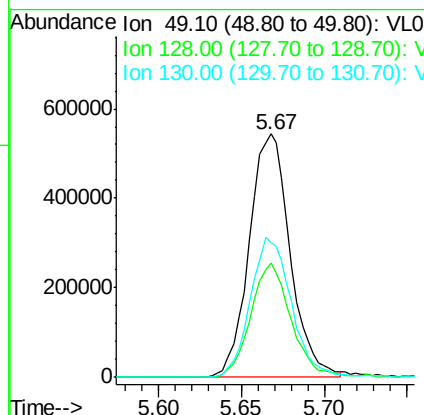
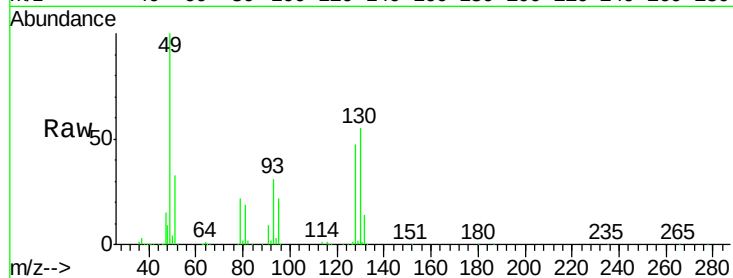
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.00 min
Lab File: VL034590.D
Acq: 4 Feb 2020 21:51

Instrument :
MSVOA_L
ClientSampled :
IA-1DL

Tot Ion	Ratio	Lower	Upper
49	100		
128	46.6	22.7	68.1
130	58.8	28.6	85.8

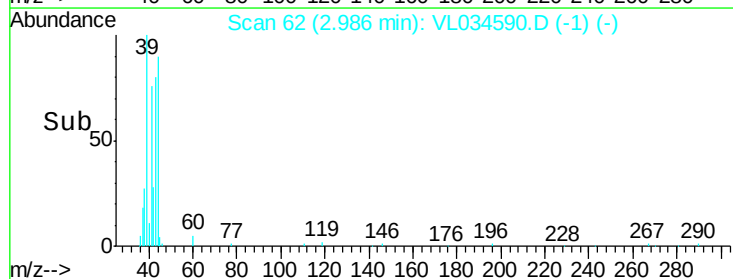
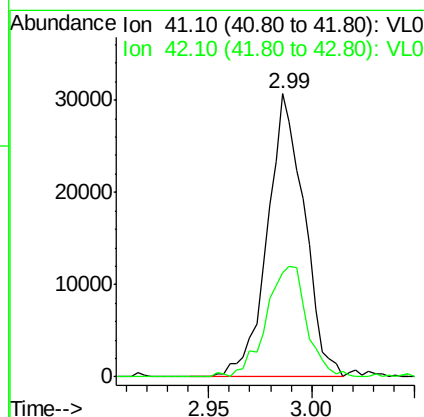
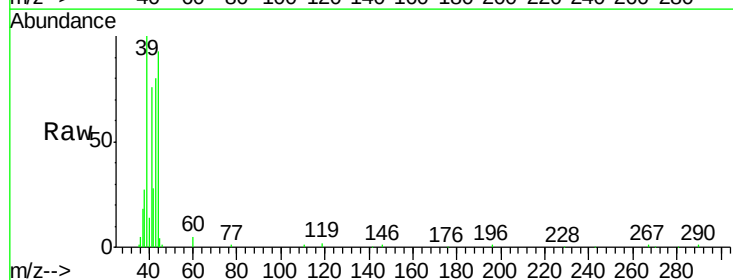
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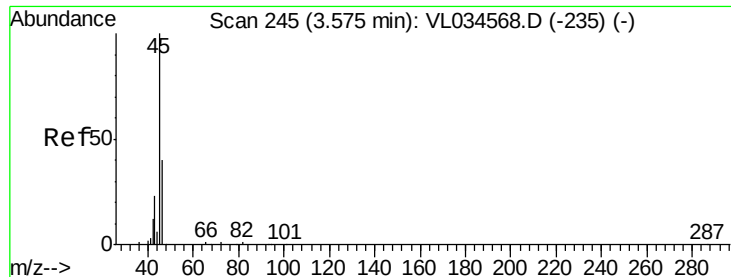
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#9
Propene
Concen: 0.869 ppbv m
RT: 2.99 min Scan# 62
Delta R.T. 0.02 min
Lab File: VL034590.D
Acq: 4 Feb 2020 21:51

Tgt Ion	Ratio	Lower	Upper
41	100		
42	9.8	57.0	85.4#





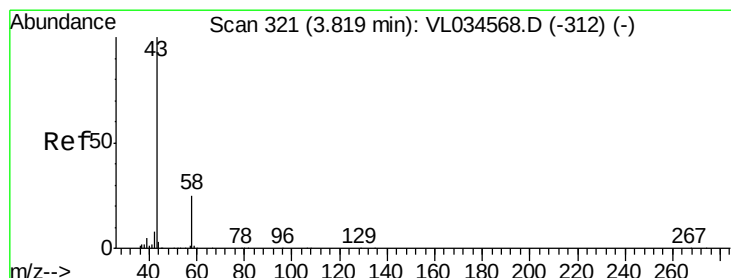
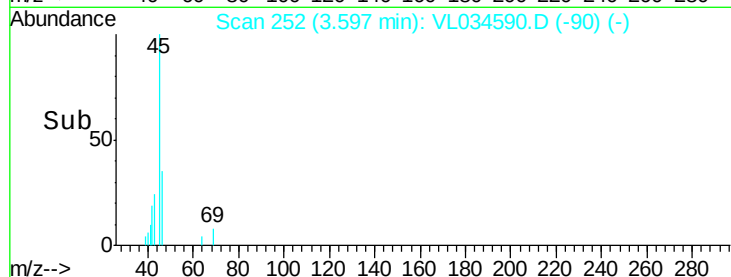
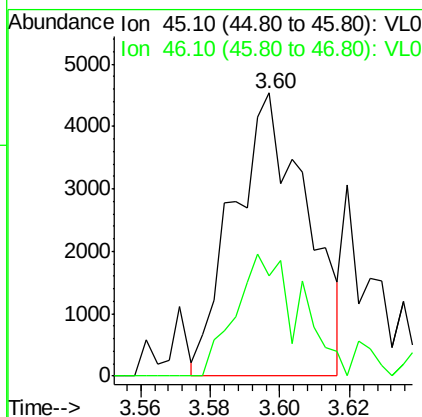
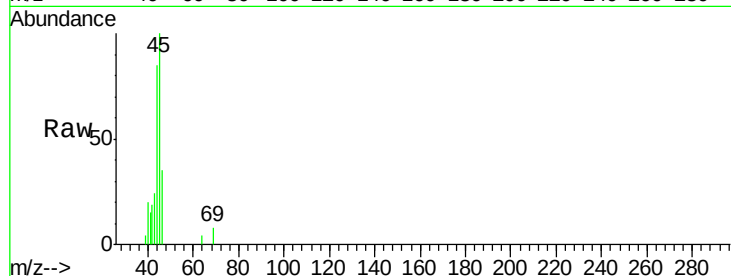
#13
Ethanol
Concen: 0.563 ppbv m
RT: 3.60 min Scan# 252
Delta R.T. 0.02 min
Lab File: VL034590.D
Acq: 4 Feb 2020 21:51

Instrument :
MSVOA_L
ClientSampled :
IA-1DL

Tot Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.8	59.2#

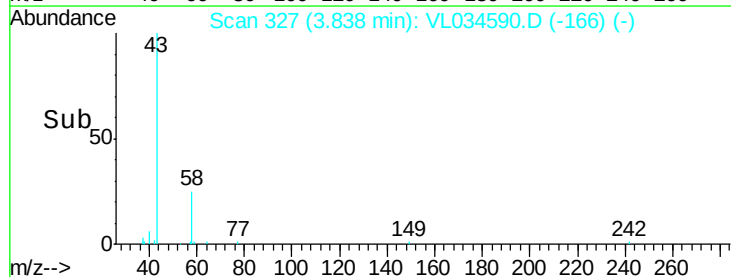
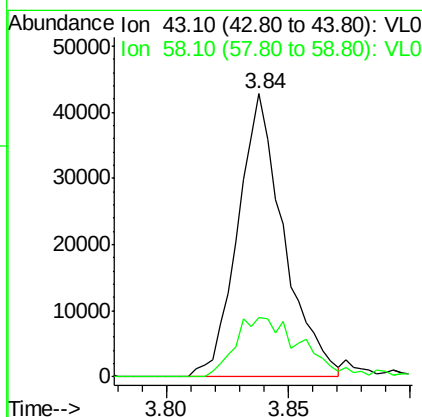
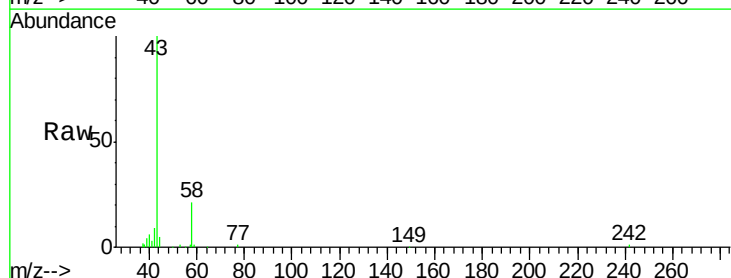
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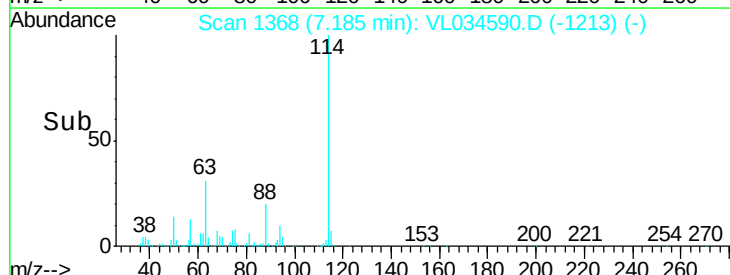
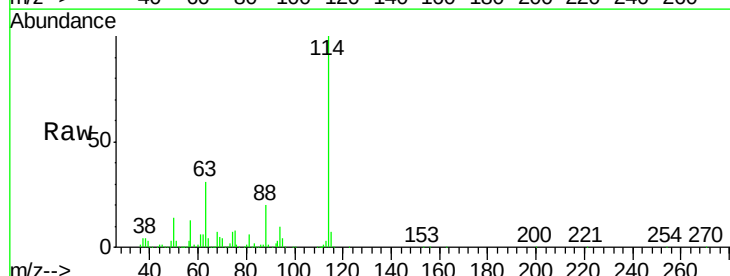
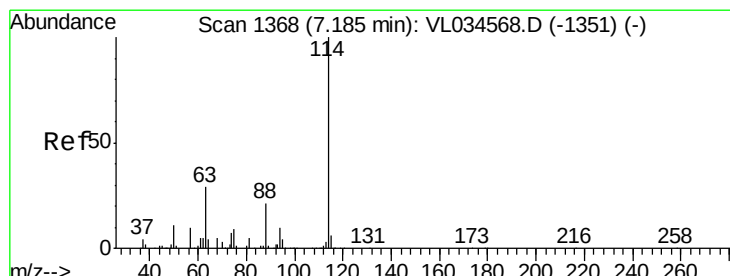
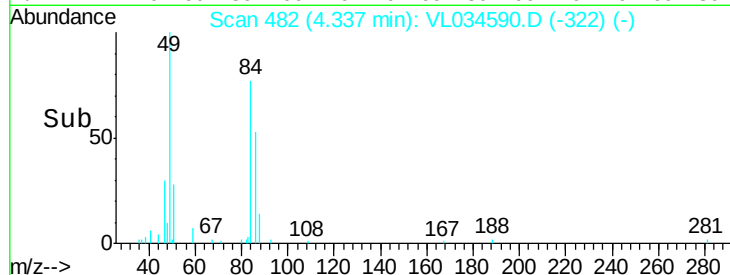
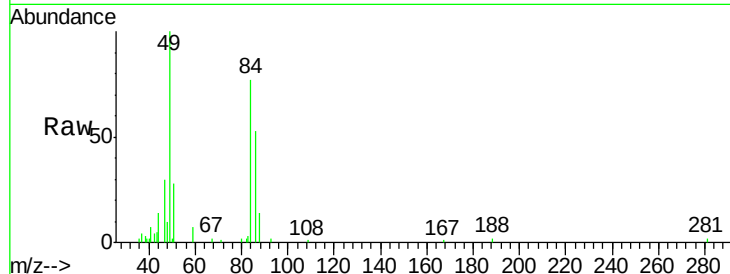
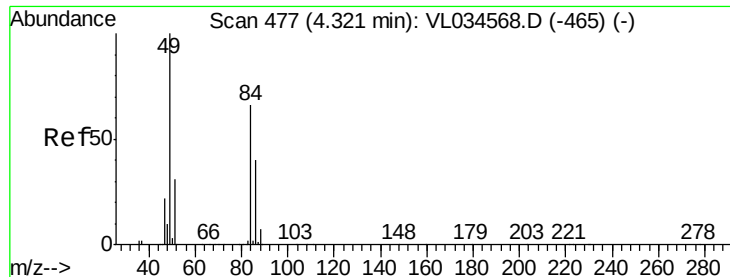
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#15
Acetone
Concen: 0.407 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.02 min
Lab File: VL034590.D
Acq: 4 Feb 2020 21:51

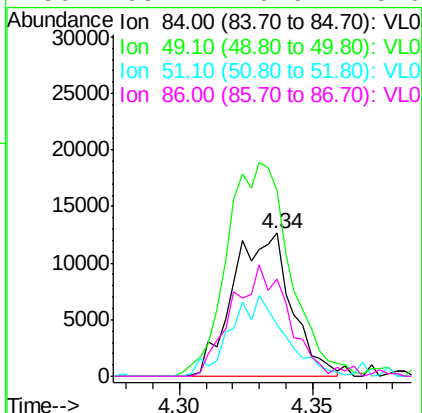
Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.1	20.3	30.5#





#20
Methylene Chloride
Concen: 0.367 ppbv m
RT: 4.34 min Scan# 482
Delta R.T. 0.02 min
Lab File: VL034590.D
Acq: 4 Feb 2020 21:51

Tot Ion	84	Resp	19134
Ion Ratio	Lower	Upper	
84	100		
49	130.0	122.4	183.6
51	36.2	38.6	57.8#
86	68.4	49.0	73.6



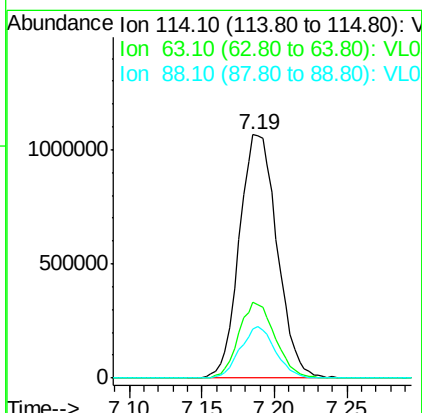
Instrument :
MSVOA_L
ClientSampled :
IA-1DL

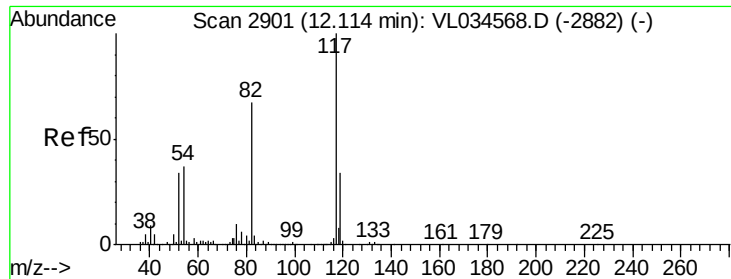
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VL034590.D
Acq: 4 Feb 2020 21:51

Tgt Ion	114	Resp	1934123
Ion Ratio	Lower	Upper	
114	100		
63	30.0	24.1	36.1
88	19.8	15.9	23.9





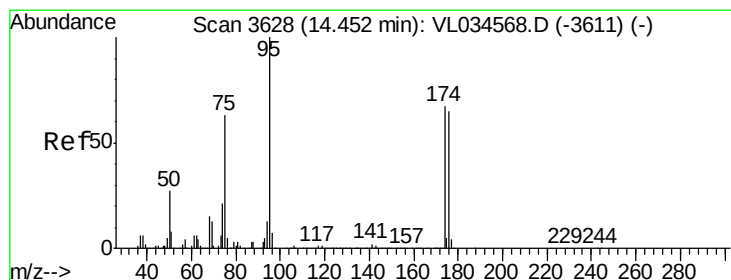
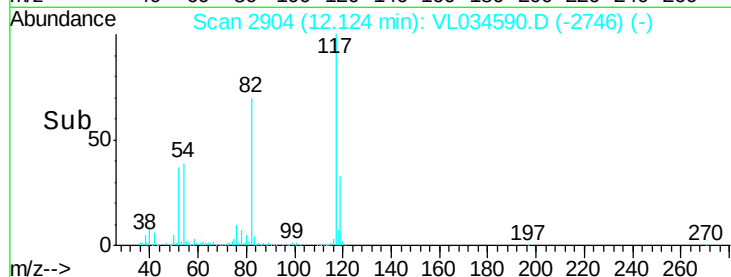
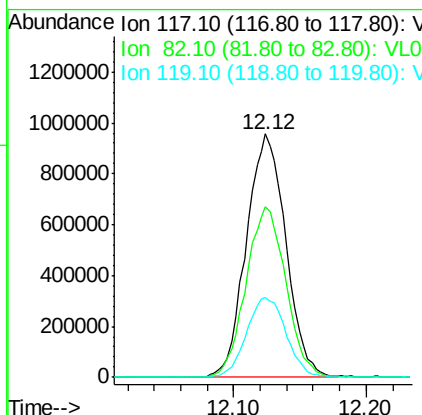
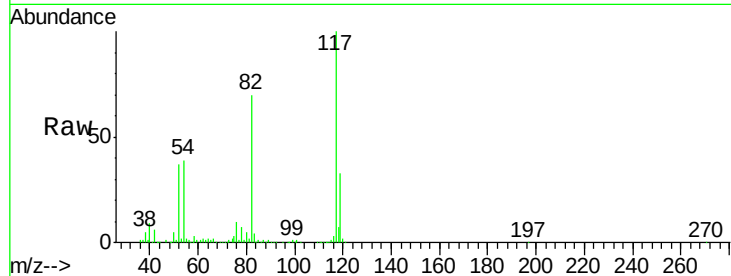
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.01 min
Lab File: VL034590.D
Acq: 4 Feb 2020 21:51

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tot Ion:117 Resp: 1980203
Ion Ratio Lower Upper
117 100
82 71.1 54.2 81.4
119 33.1 26.1 39.1

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.093 ppbv
RT: 14.46 min Scan# 3630
Delta R.T. 0.01 min
Lab File: VL034590.D
Acq: 4 Feb 2020 21:51

Tgt Ion: 95 Resp: 1689087
Ion Ratio Lower Upper
95 100
174 63.0 52.3 78.5
175 4.2 3.8 5.6

