

Data File : VL034638.D
Acq On : 19 Feb 2020 00:17
Operator : SY/AP
Sample : L1532-10DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
DC-SSDL

Quant Time: Feb 19 06:07:05 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 17:16:44 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	5.66	49	805901	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1682563	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	1731243	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1472494	10.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

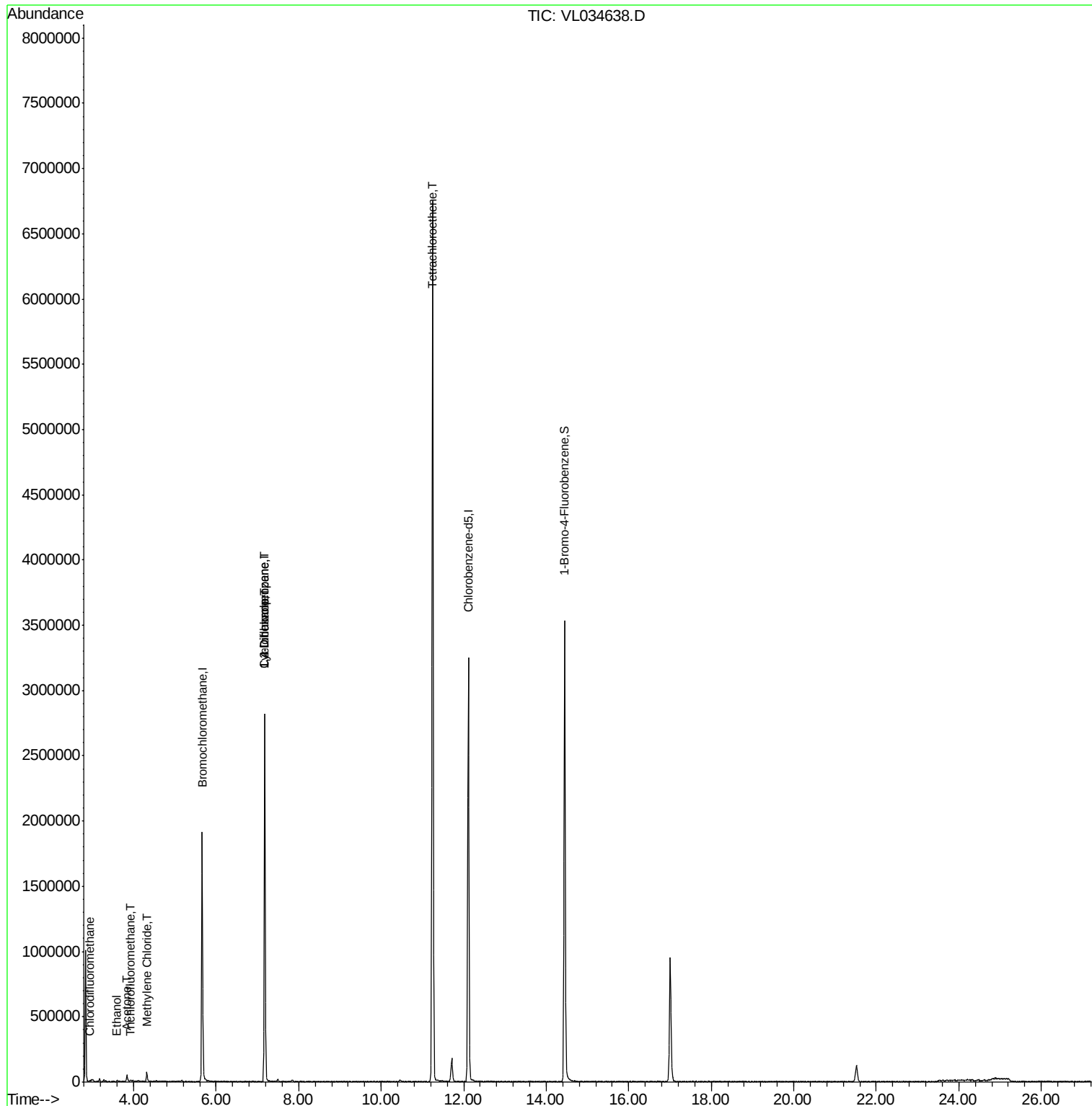
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.94	51	5065	0.052	ppbv	94
11) Trichlorofluoromethane	3.92	101	6149	0.038	ppbv	86
13) Ethanol	3.58	45	1004	0.099	ppbv #	1
15) Acetone	3.83	43	29233	0.247	ppbv #	44
20) Methylene Chloride	4.32	84	20861	0.463	ppbv #	84
30) Cyclohexane	7.17	84	4726	0.079	ppbv #	1
39) 1,2-Dichloropropane	7.18	63	502485	8.101	ppbv #	19
52) Tetrachloroethene	11.25	164	1456004	24.223	ppbv	98

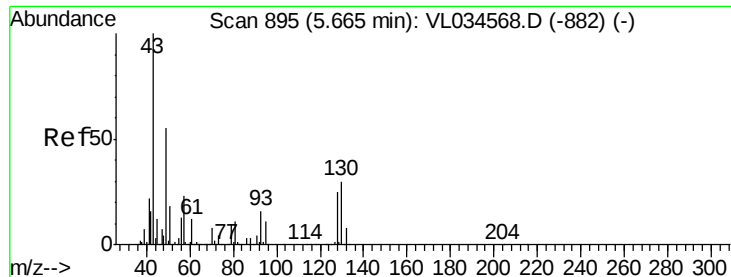
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.01 min

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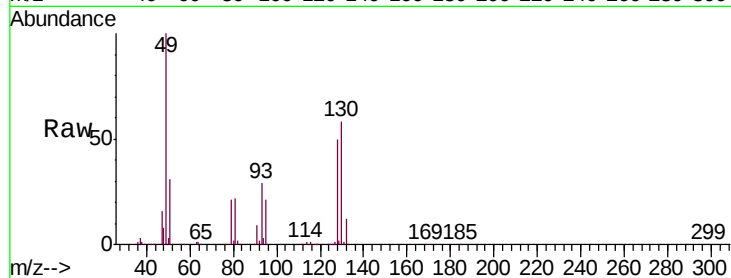
Tgt Ion: 49 Resp: 805901

Ion Ratio Lower Upper

49 100

128 46.6 22.7 68.1

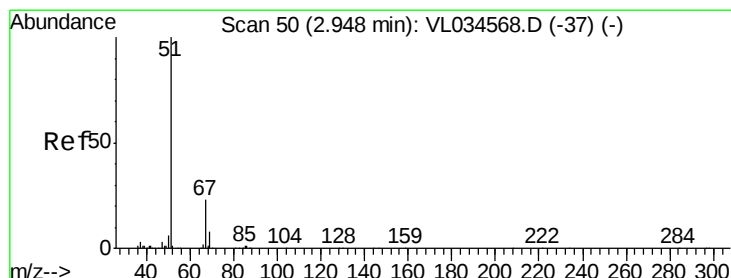
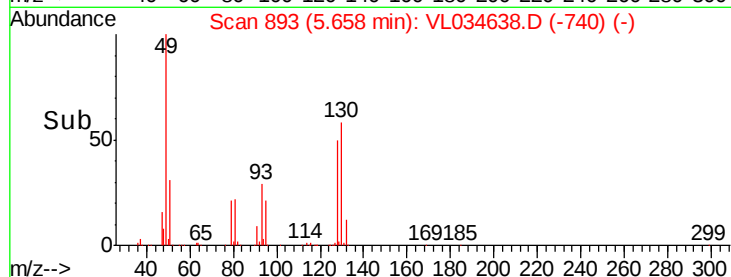
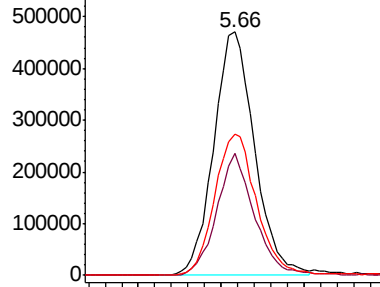
130 60.7 28.6 85.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#3

Chlorodifluoromethane

Concen: 0.052 ppbv

RT: 2.94 min Scan# 49

Delta R.T. -0.00 min

Lab File: VL034638.D

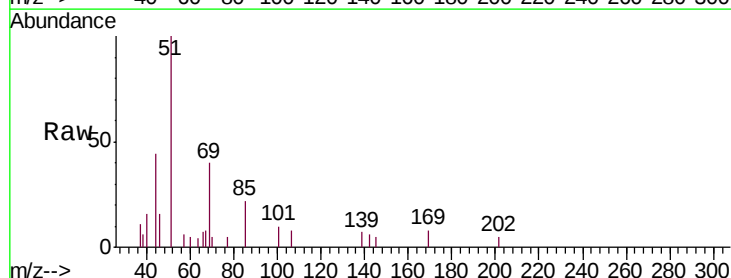
Acq: 19 Feb 2020 00:17

Tgt Ion: 51 Resp: 5065

Ion Ratio Lower Upper

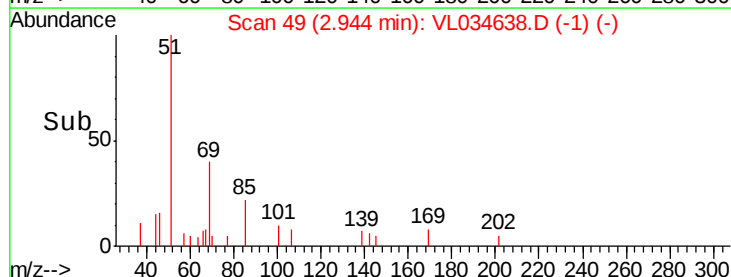
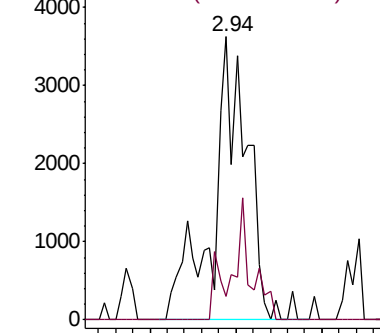
51 100

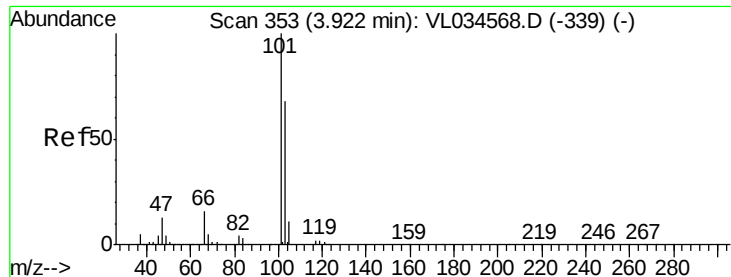
67 25.0 17.8 26.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

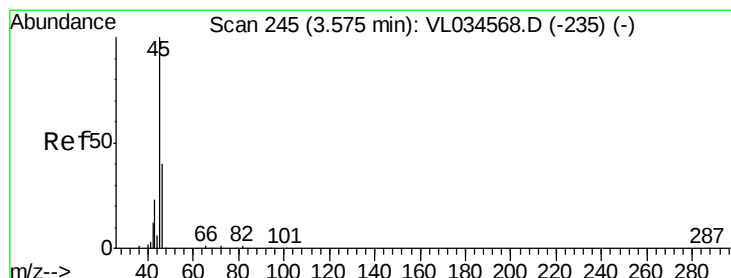
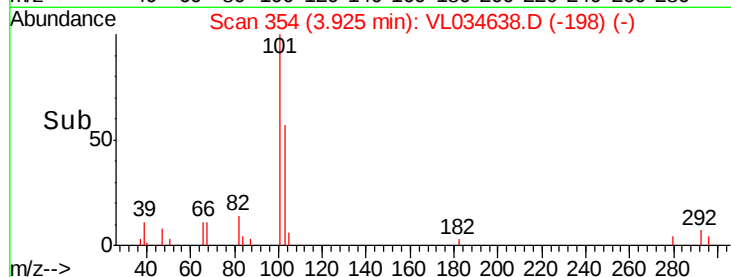
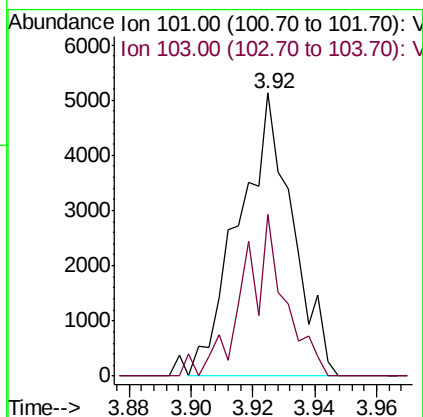
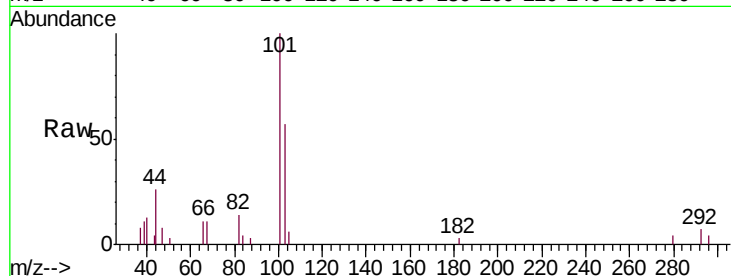




#11
 Trichlorofluoromethane
 Concen: 0.038 ppbv
 RT: 3.92 min Scan# 354
 Delta R.T. 0.00 min
 Lab File: VL034638.D
 Acq: 19 Feb 2020 00:17

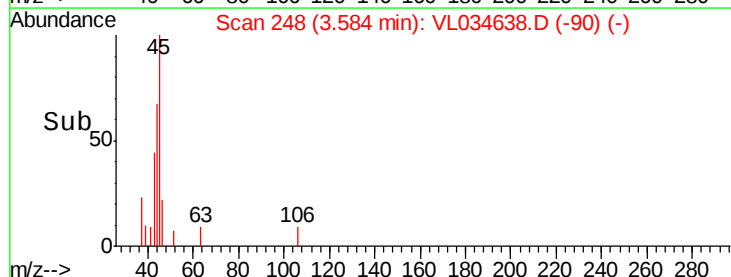
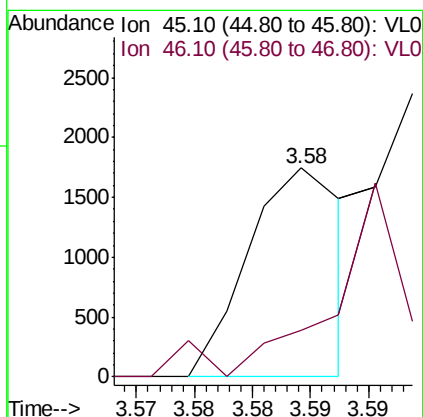
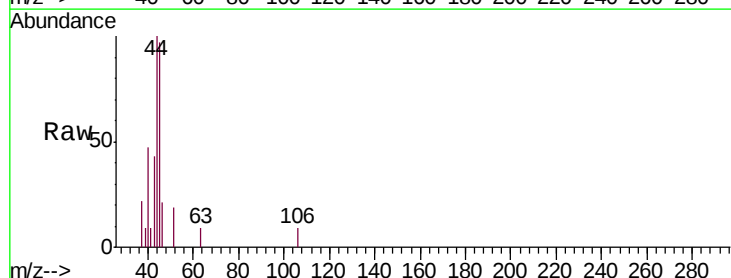
Instrument :
 MSVOA_L
 ClientSampleId :
 DC-SSDL

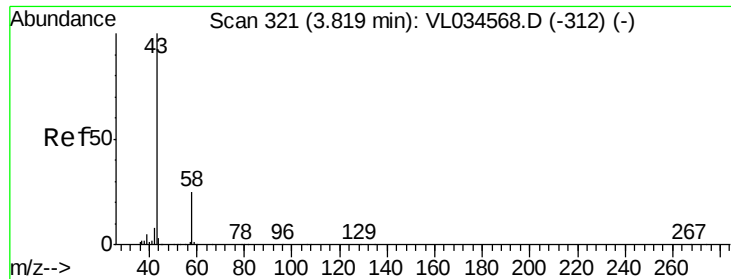
Tgt Ion: 101 Resp: 6149
 Ion Ratio Lower Upper
 101 100
 103 57.1 54.4 81.6



#13
 Ethanol
 Concen: 0.099 ppbv
 RT: 3.58 min Scan# 248
 Delta R.T. 0.01 min
 Lab File: VL034638.D
 Acq: 19 Feb 2020 00:17

Tgt Ion: 45 Resp: 1004
 Ion Ratio Lower Upper
 45 100
 46 184.8 14.8 59.2#





#15

Acetone

Concen: 0.247 ppbv

RT: 3.83 min Scan# 326

Delta R.T. 0.02 min

Lab File: VL034638.D

Acq: 19 Feb 2020 00:17

Instrument :

MSVOA_L

ClientSampleId :

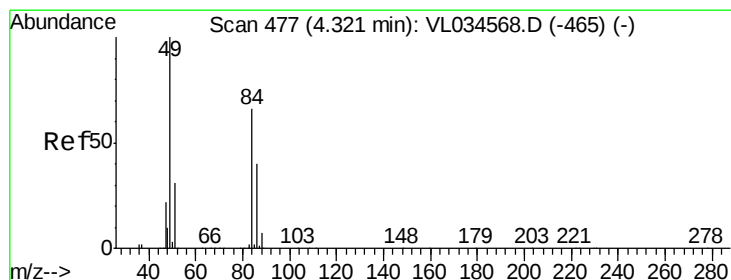
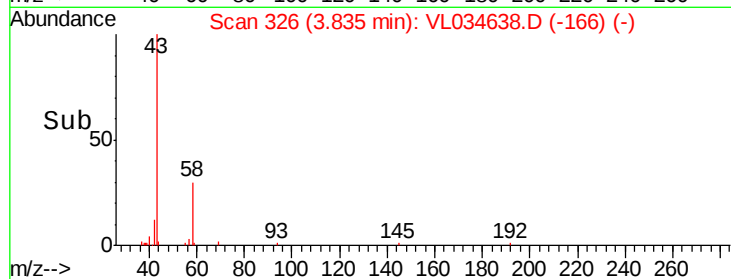
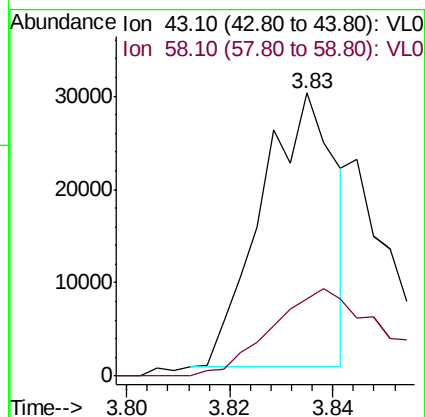
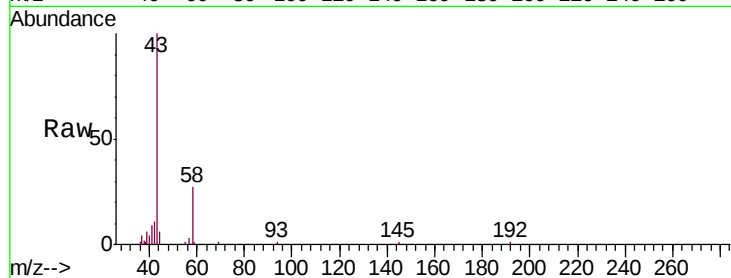
DC-SSDL

Tgt Ion: 43 Resp: 29233

Ion Ratio Lower Upper

43 100

58 53.6 20.3 30.5#



#20

Methylene Chloride

Concen: 0.463 ppbv

RT: 4.32 min Scan# 478

Delta R.T. 0.00 min

Lab File: VL034638.D

Acq: 19 Feb 2020 00:17

Tgt Ion: 84 Resp: 20861

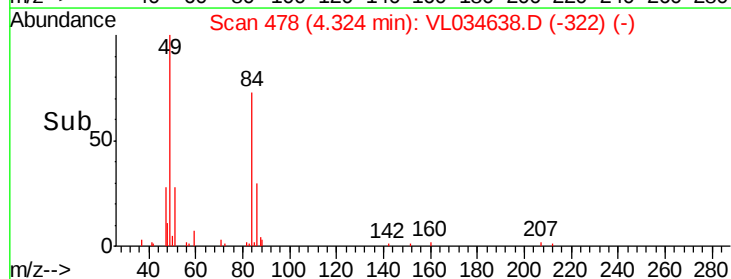
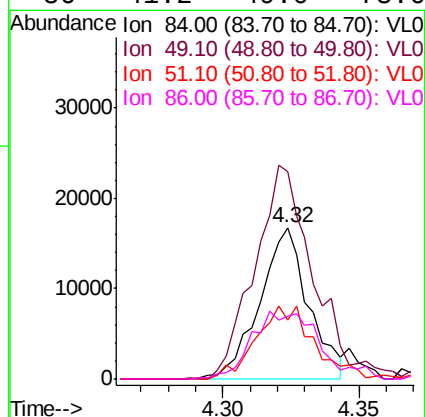
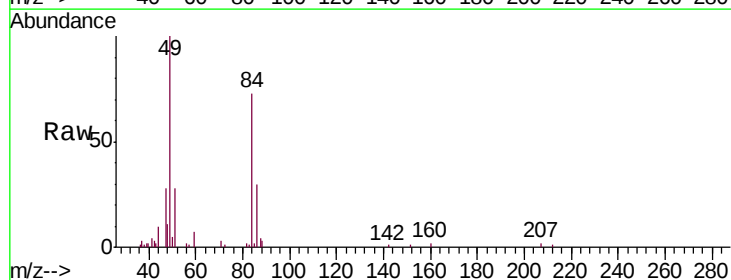
Ion Ratio Lower Upper

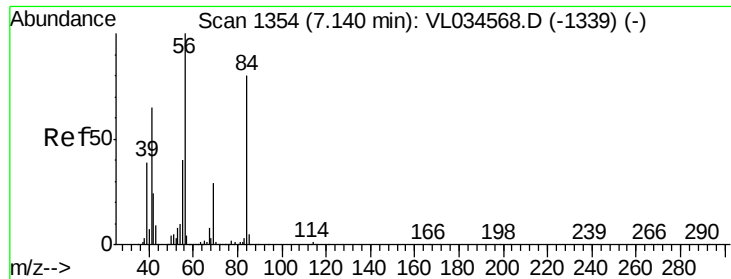
84 100

49 135.9 122.4 183.6

51 38.9 38.6 57.8

86 41.2 49.0 73.6#

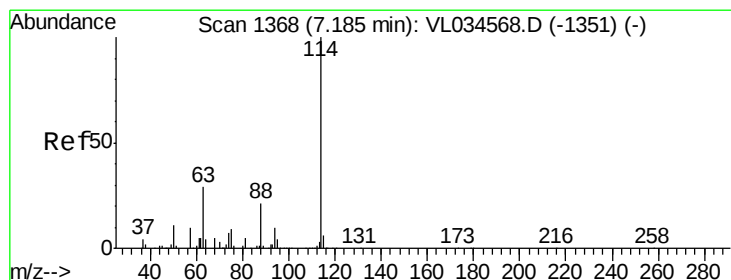
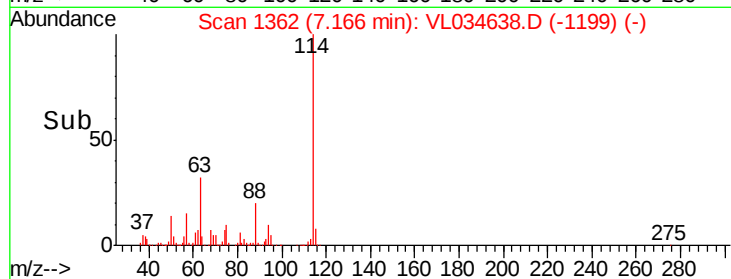
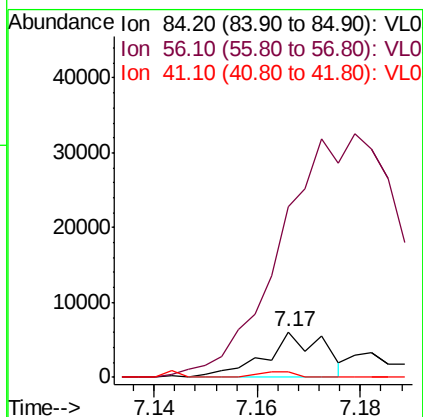
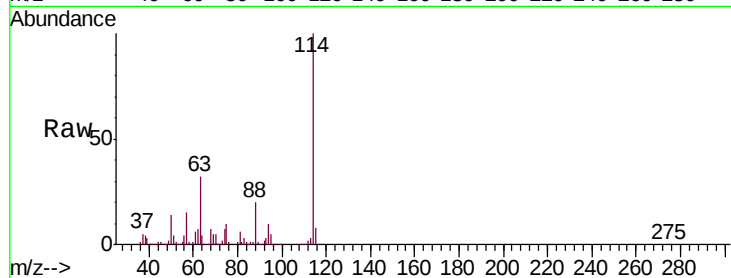




#30
Cyclohexane
Concen: 0.079 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. 0.03 min
Lab File: VL034638.D
Acq: 19 Feb 2020 00:17

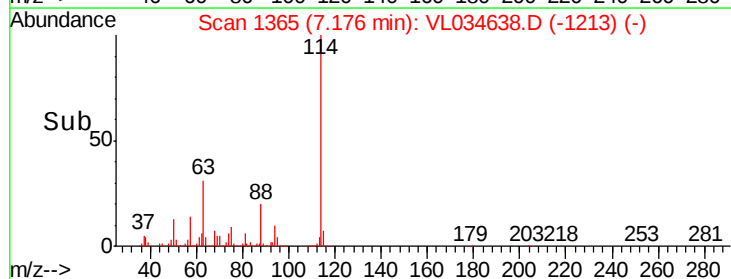
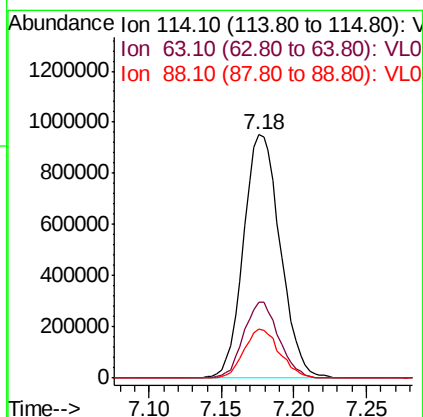
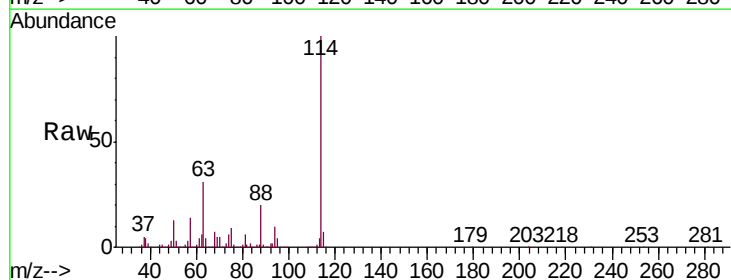
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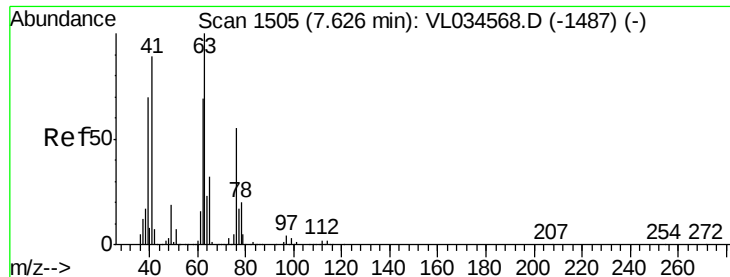
Tgt Ion: 84 Resp: 4726
Ion Ratio Lower Upper
84 100
56 0.0 110.5 165.7#
41 11.4 71.9 107.9#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VL034638.D
Acq: 19 Feb 2020 00:17

Tgt Ion: 114 Resp: 1682563
Ion Ratio Lower Upper
114 100
63 30.1 24.1 36.1
88 19.5 15.9 23.9

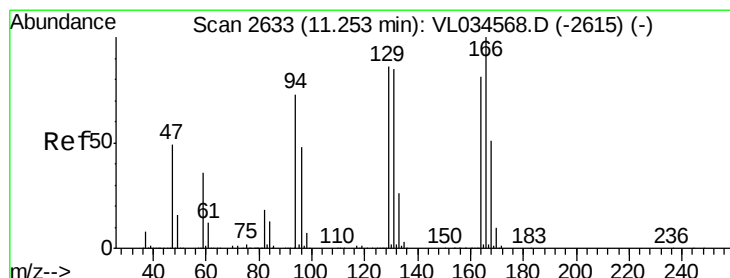
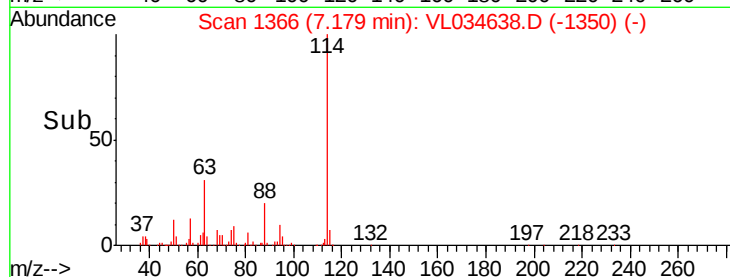
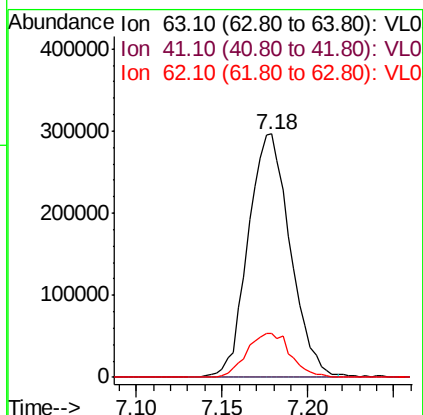
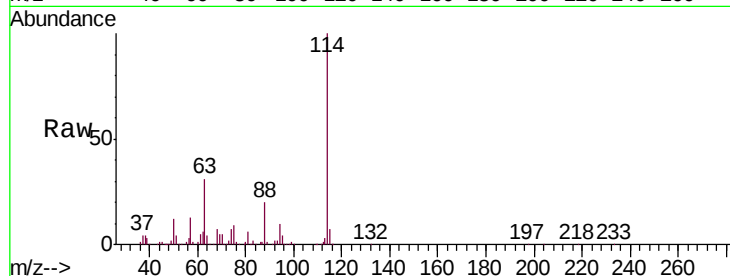




#39
 1,2-Dichloropropane
 Concen: 8.101 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.45 min
 Lab File: VL034638.D
 Acq: 19 Feb 2020 00:17

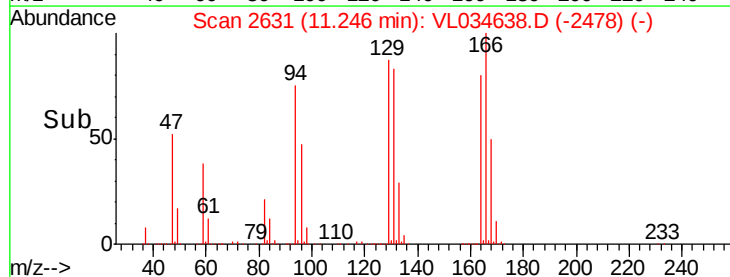
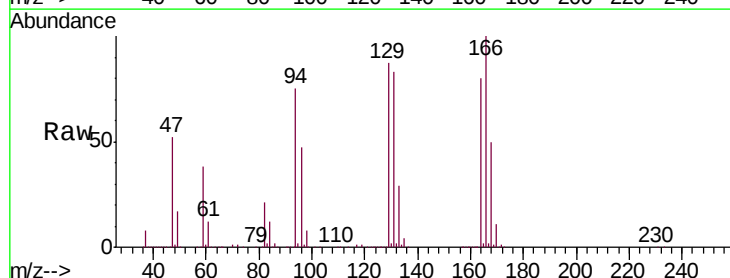
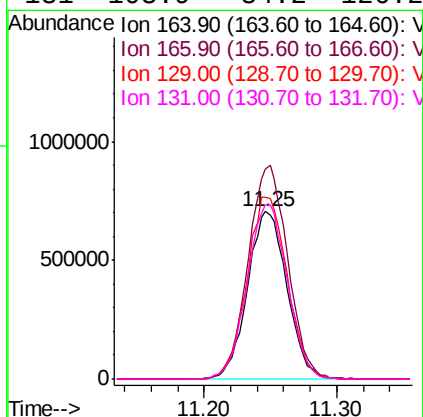
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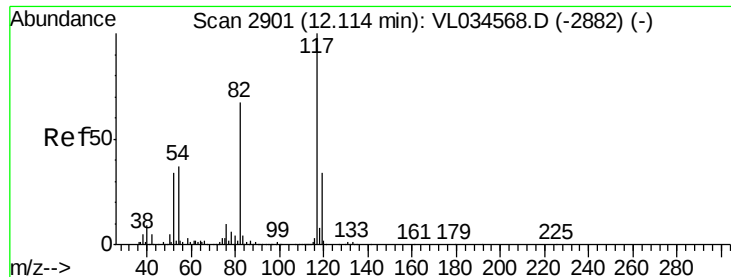
Tgt Ion: 63 Resp: 502485
 Ion Ratio Lower Upper
 63 100
 41 0.0 71.0 106.4#
 62 17.9 55.4 83.0#



#52
 Tetrachloroethene
 Concen: 24.223 ppbv
 RT: 11.25 min Scan# 2631
 Delta R.T. -0.01 min
 Lab File: VL034638.D
 Acq: 19 Feb 2020 00:17

Tgt Ion: 164 Resp: 1456004
 Ion Ratio Lower Upper
 164 100
 166 125.4 99.0 148.4
 129 109.1 85.3 127.9
 131 103.9 84.2 126.2

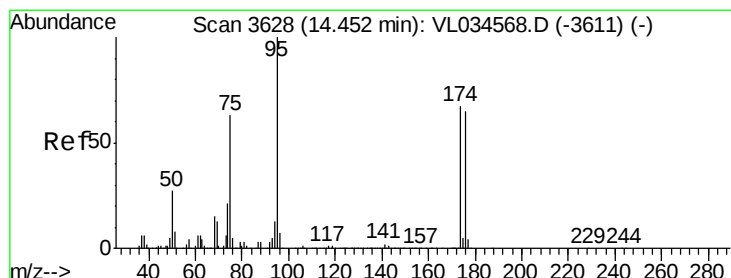
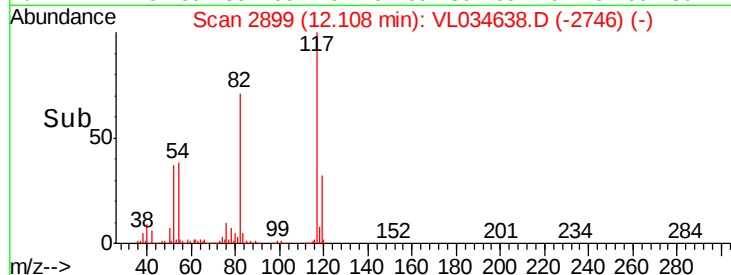
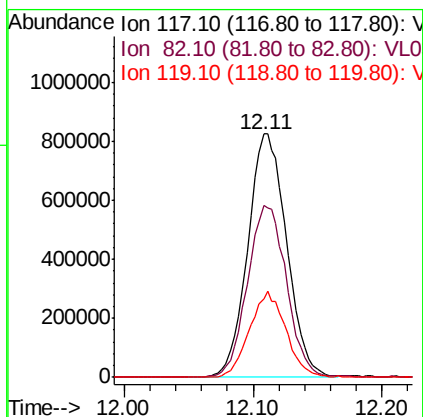
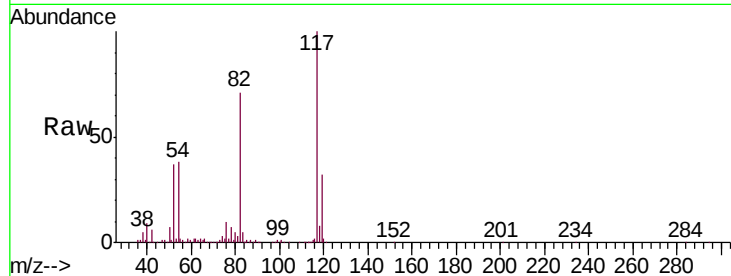




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.01 min
Lab File: VL034638.D
Acq: 19 Feb 2020 00:17

Instrument :
MSVOA_L
ClientSampleId :
DC-SSDL

Tgt Ion: 117 Resp: 1731243
Ion Ratio Lower Upper
117 100
82 71.3 54.2 81.4
119 33.2 26.1 39.1



#68
1-Bromo-4-Fluorobenzene
Concen: 10.064 ppbv
RT: 14.45 min Scan# 3626
Delta R.T. -0.01 min
Lab File: VL034638.D
Acq: 19 Feb 2020 00:17

Tgt Ion: 95 Resp: 1472494
Ion Ratio Lower Upper
95 100
174 63.9 52.3 78.5
175 4.4 3.8 5.6

