

Data File : VL034628.D
Acq On : 18 Feb 2020 17:40
Operator : SY/AP
Sample : L1532-04DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
DC-IADL

Quant Time: Feb 19 06:04:38 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	805169	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1701568	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	1744265	10.00	ppbv	0.00

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.45 95 1474941 10.01 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 100.10%

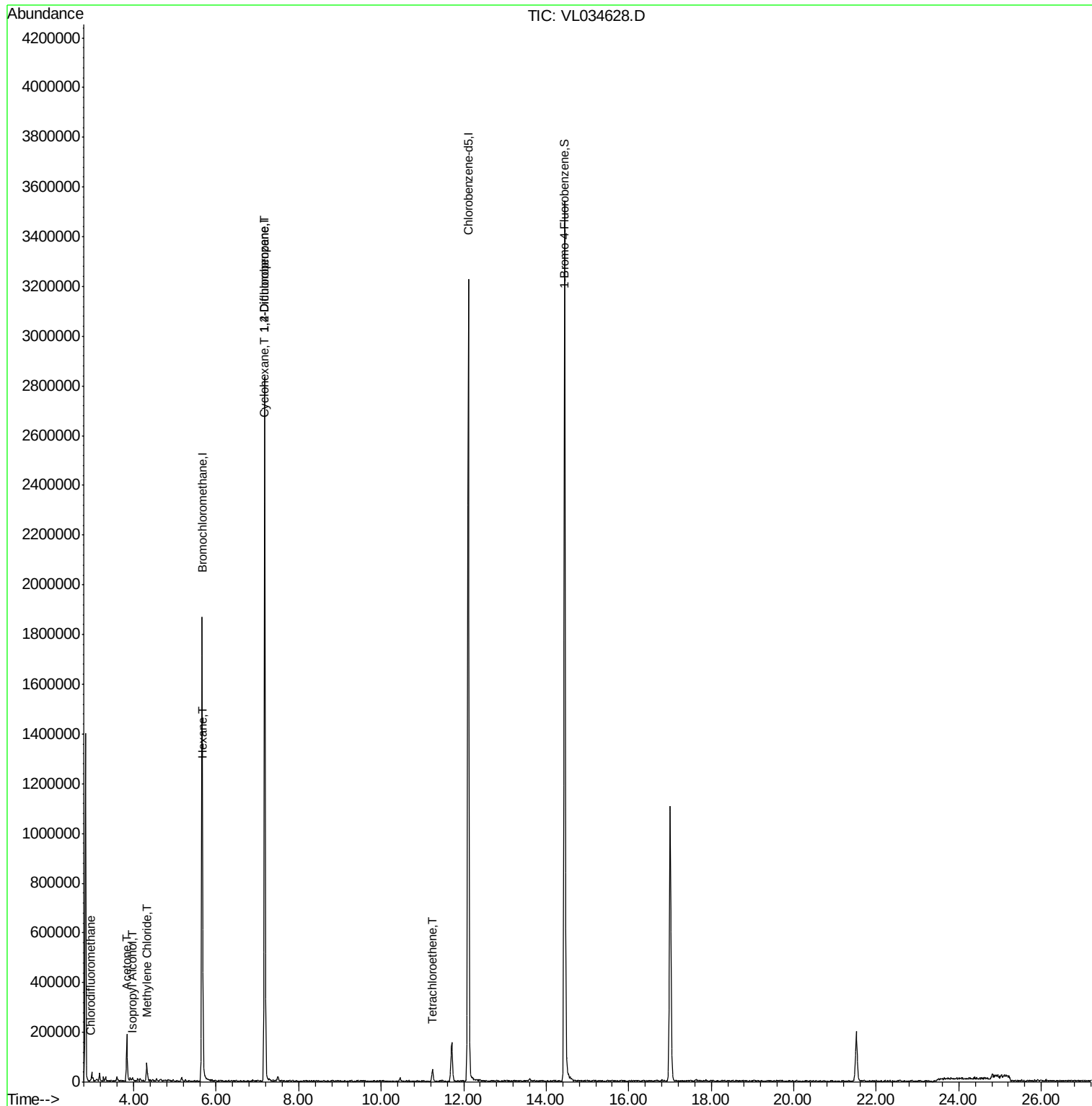
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.95	51	4906	0.050	ppbv	93
15) Acetone	3.84	43	170299	1.439	ppbv	97
19) Isopropyl Alcohol	3.97	45	6439	0.093	ppbv #	94
20) Methylene Chloride	4.32	84	18065	0.401	ppbv	88
26) Hexane	5.68	57	2956	0.037	ppbv #	43
30) Cyclohexane	7.16	84	2932	0.049	ppbv #	1
39) 1,2-Dichloropropane	7.18	63	503367	8.024	ppbv #	19
52) Tetrachloroethene	11.24	164	3869	0.064	ppbv #	57

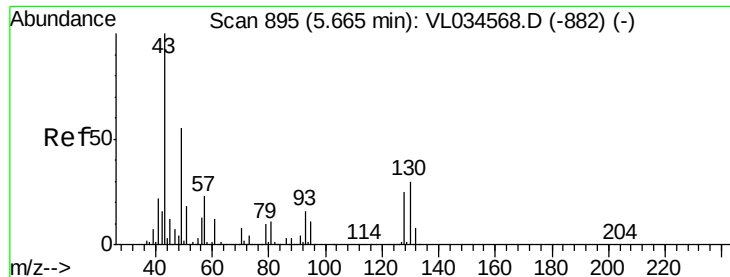
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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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MSVOA_L

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DC-IADL

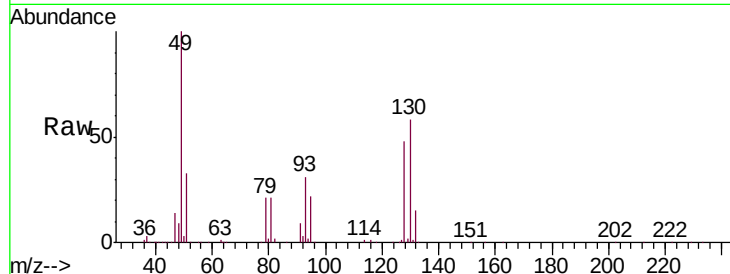
Tgt Ion: 49 Resp: 805169

Ion Ratio Lower Upper

49 100

128 46.6 22.7 68.1

130 59.3 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

5.66

400000

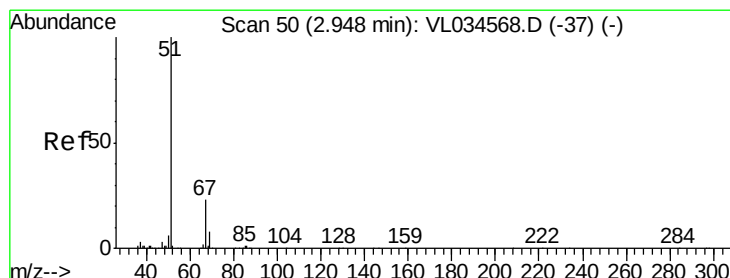
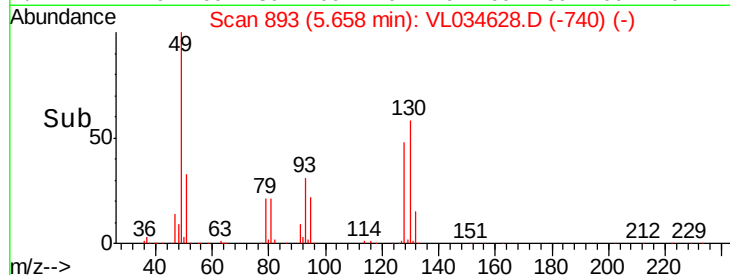
300000

200000

100000

0

Time-->



#3

Chlorodifluoromethane

Concen: 0.050 ppbv

RT: 2.95 min Scan# 50

Delta R.T. -0.00 min

Lab File: VL034628.D

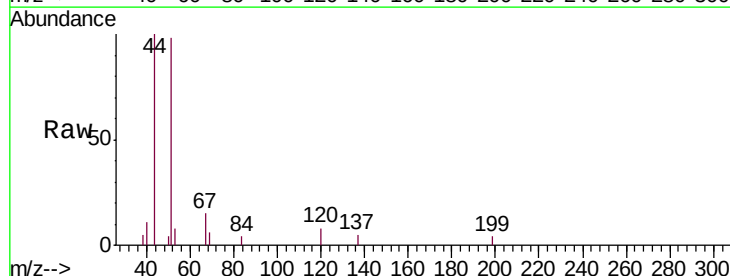
Acq: 18 Feb 2020 17:40

Tgt Ion: 51 Resp: 4906

Ion Ratio Lower Upper

51 100

67 25.9 17.8 26.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.95

4000

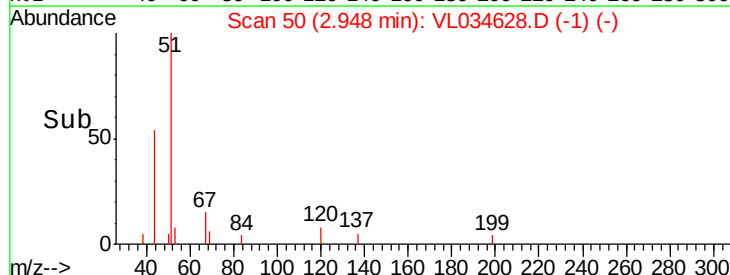
3000

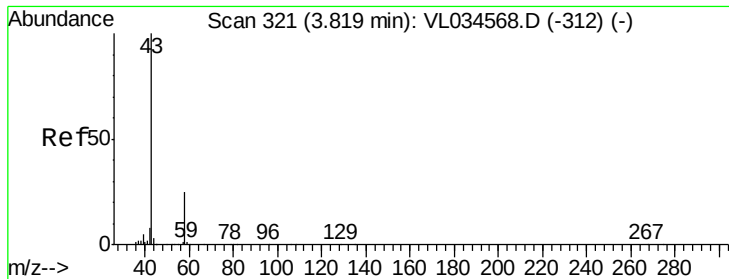
2000

1000

0

Time-->





#15

Acetone

Concen: 1.439 ppbv

RT: 3.84 min Scan# 326

Delta R.T. 0.02 min

Lab File: VL034628.D

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Instrument :

MSVOA_L

ClientSampleId :

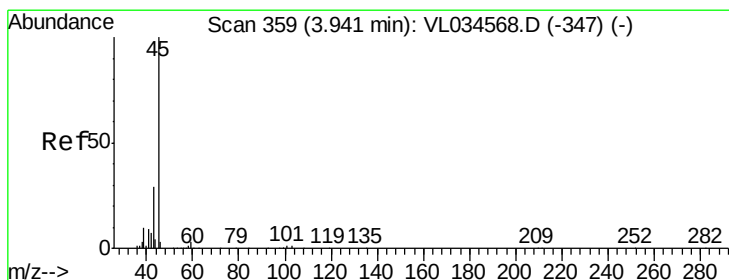
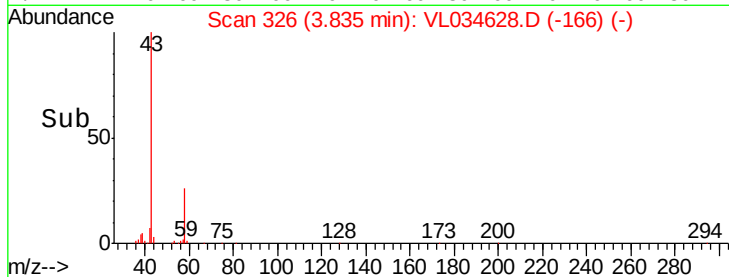
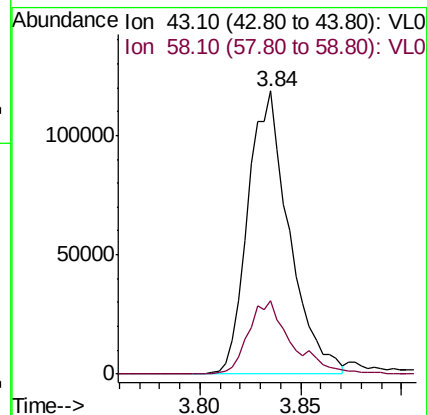
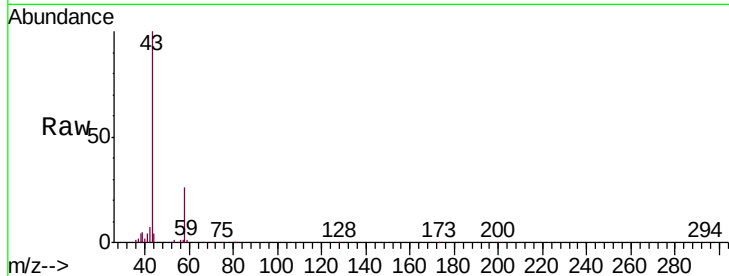
DC-IADL

Tgt Ion: 43 Resp: 170299

Ion Ratio Lower Upper

43 100

58 27.1 20.3 30.5



#19

Isopropyl Alcohol

Concen: 0.093 ppbv

RT: 3.97 min Scan# 368

Delta R.T. 0.03 min

Lab File: VL034628.D

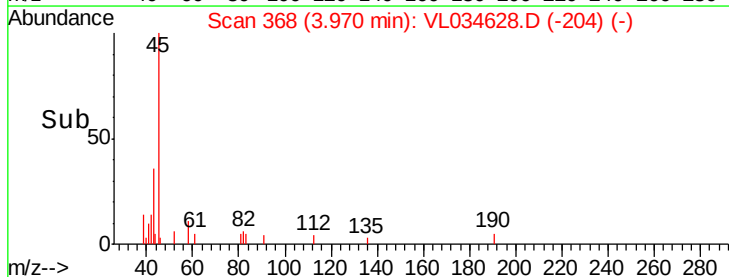
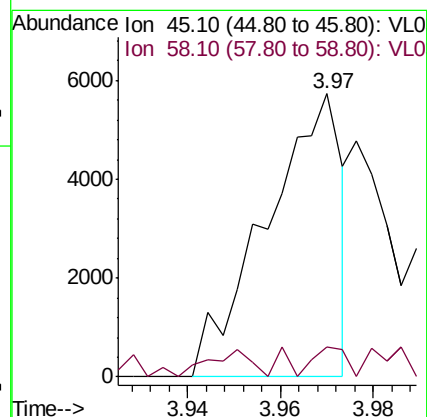
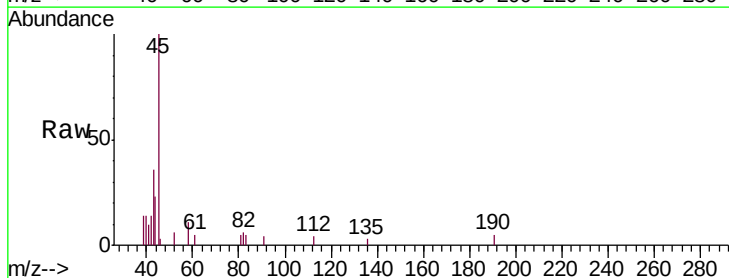
Acq: 18 Feb 2020 17:40

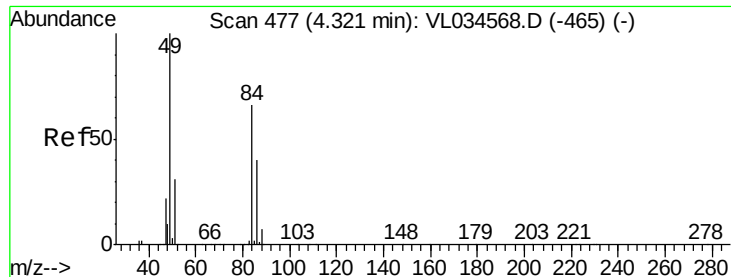
Tgt Ion: 45 Resp: 6439

Ion Ratio Lower Upper

45 100

58 0.0 1.7 2.5#

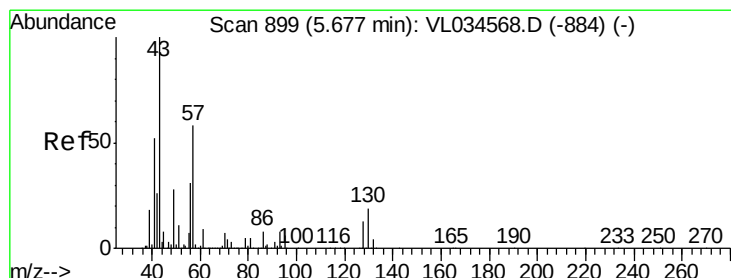
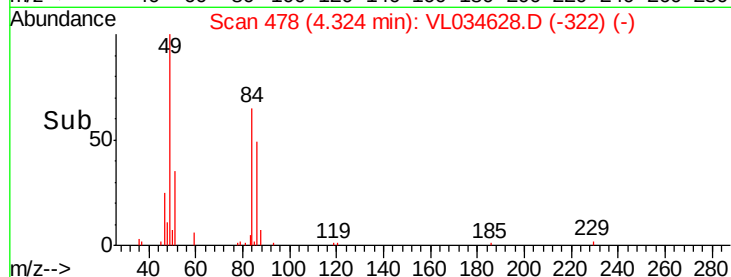
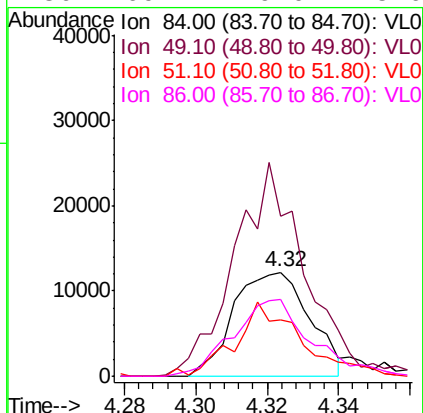
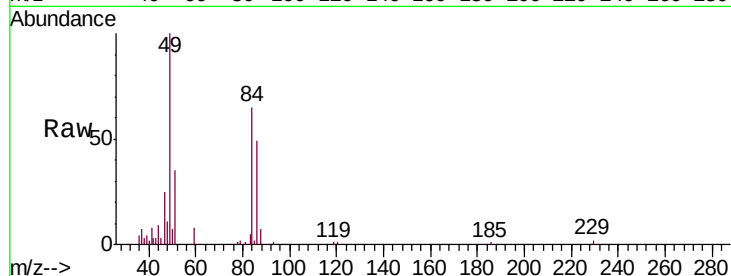




#20
Methylene Chloride
Concen: 0.401 ppbv
RT: 4.32 min Scan# 478
Delta R.T. 0.00 min
Lab File: VL034628.D
Acq: 18 Feb 2020 17:40

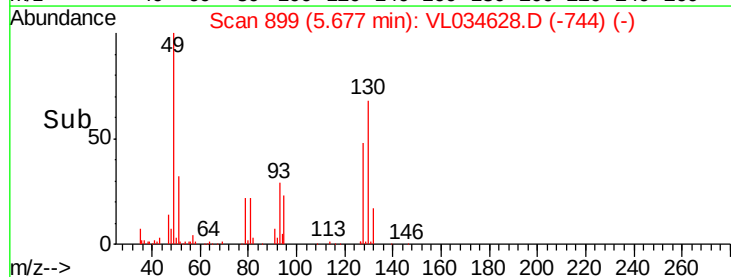
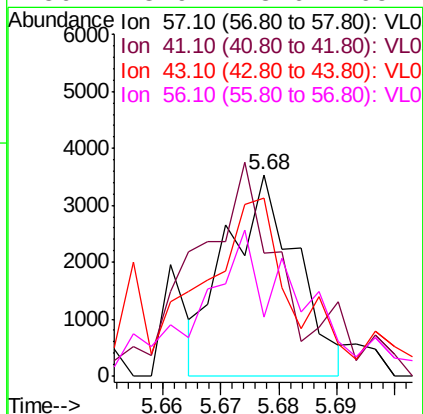
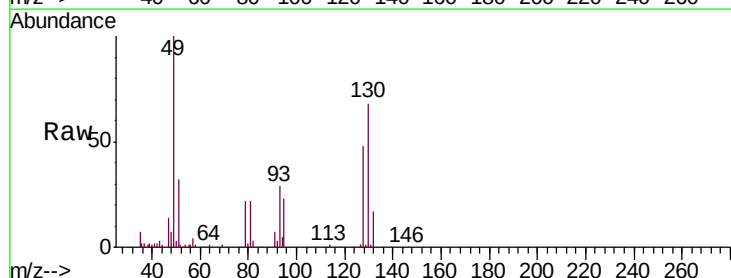
Instrument :
MSVOA_L
ClientSampled :
DC-IADL

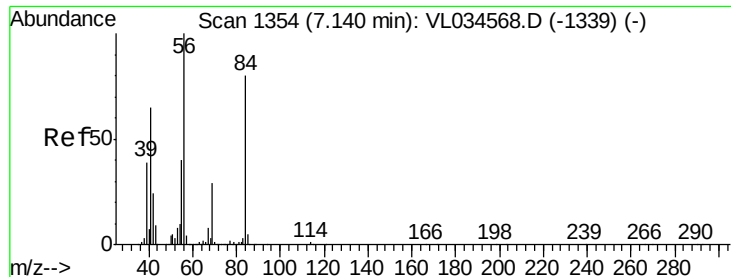
Tgt Ion:	84	Resp:	18065
Ion	Ratio	Lower	Upper
84	100		
49	134.4	122.4	183.6
51	52.3	38.6	57.8
86	69.1	49.0	73.6



#26
Hexane
Concen: 0.037 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.00 min
Lab File: VL034628.D
Acq: 18 Feb 2020 17:40

Tgt Ion:	57	Resp:	2956
Ion	Ratio	Lower	Upper
57	100		
41	143.9	76.2	114.2#
43	146.2	189.9	284.9#
56	113.9	43.6	65.4#

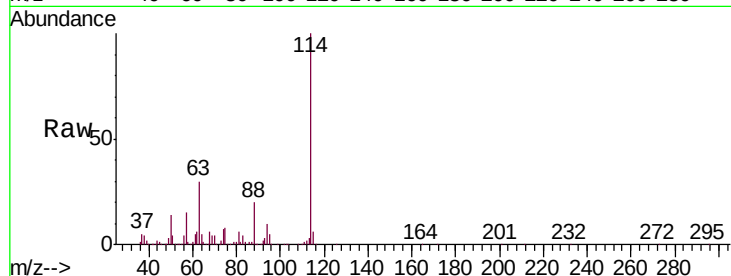




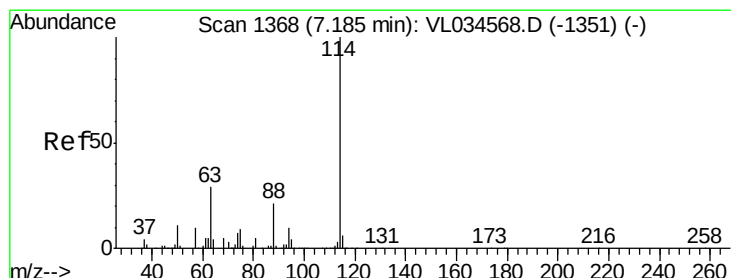
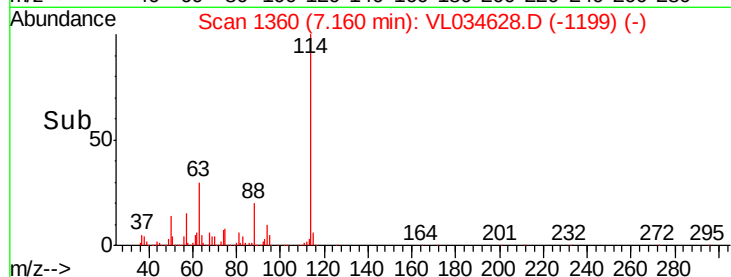
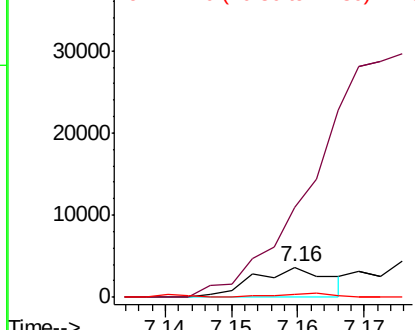
#30
Cyclohexane
Concen: 0.049 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VL034628.D
Acq: 18 Feb 2020 17:40

Instrument :
MSVOA_L
ClientSampleId :
DC-IADL

Tgt Ion: 84 Resp: 2932
Ion Ratio Lower Upper
84 100
56 0.0 110.5 165.7#
41 18.7 71.9 107.9#

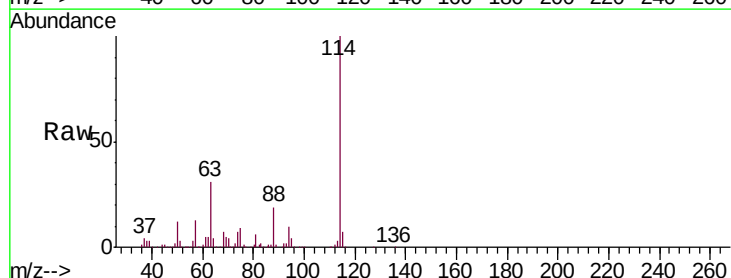


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

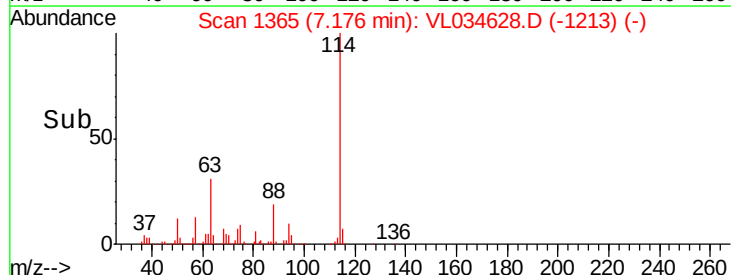
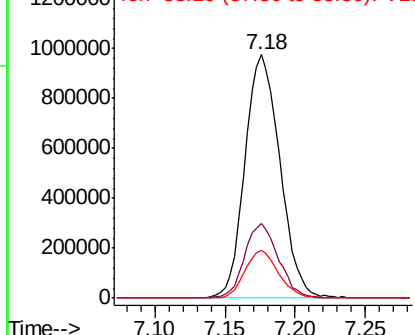


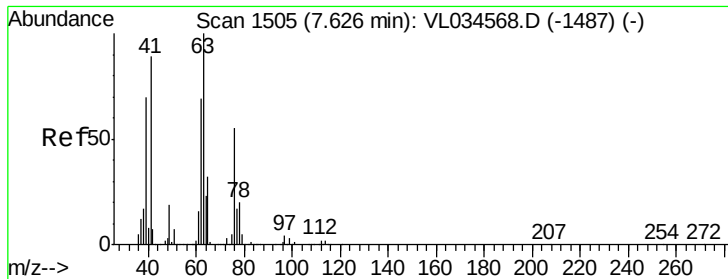
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VL034628.D
Acq: 18 Feb 2020 17:40

Tgt Ion: 114 Resp: 1701568
Ion Ratio Lower Upper
114 100
63 29.7 24.1 36.1
88 18.8 15.9 23.9



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0

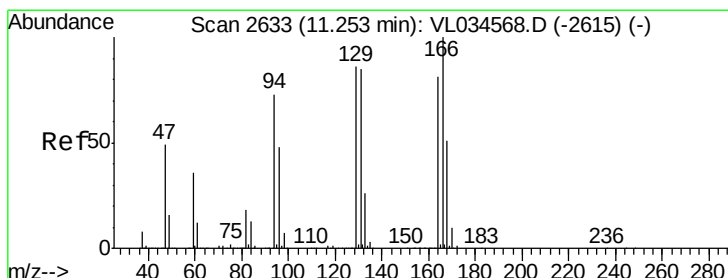
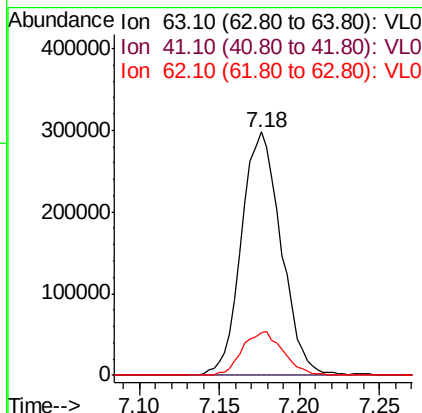
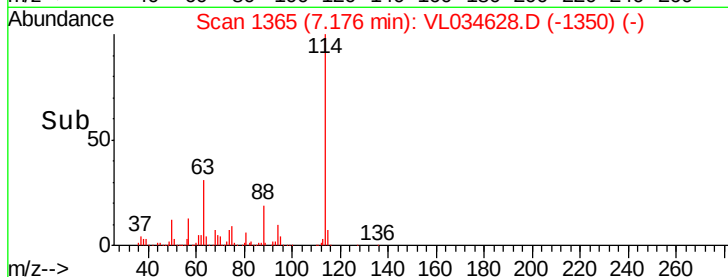
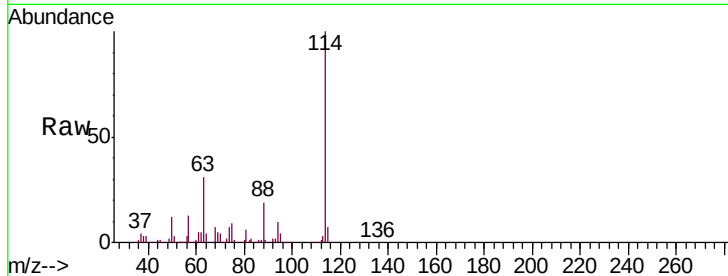




#39
 1,2-Dichloropropane
 Concen: 8.024 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.45 min
 Lab File: VL034628.D
 Acq: 18 Feb 2020 17:40

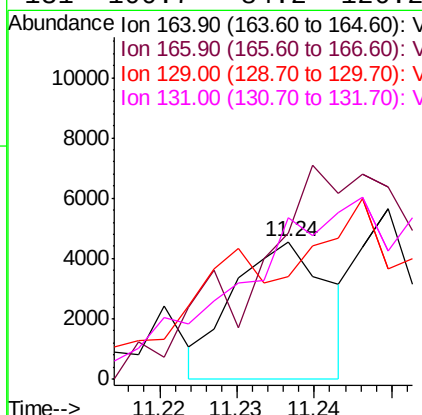
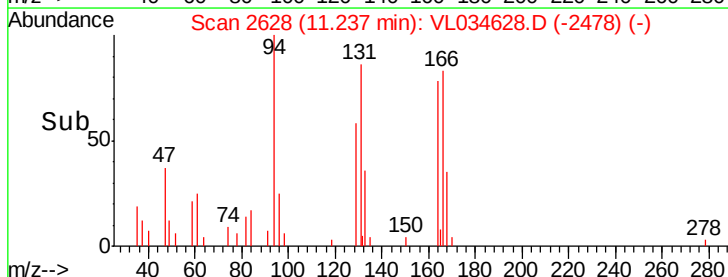
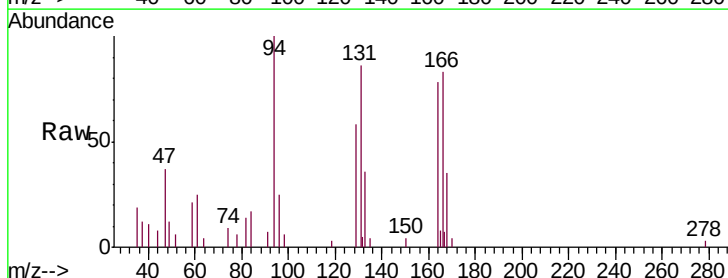
Instrument :
 MSVOA_L
 ClientSampleId :
 DC-IADL

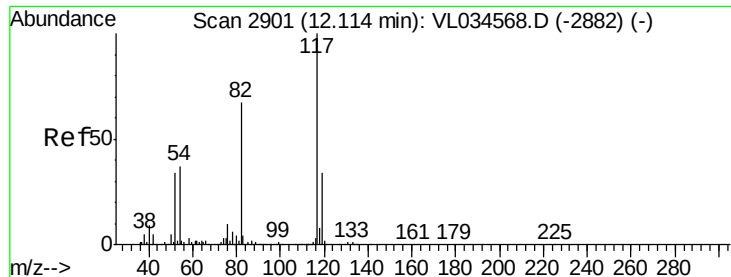
Tgt Ion: 63 Resp: 503367
 Ion Ratio Lower Upper
 63 100
 41 0.0 71.0 106.4#
 62 17.8 55.4 83.0#



#52
 Tetrachloroethene
 Concen: 0.064 ppbv
 RT: 11.24 min Scan# 2628
 Delta R.T. -0.02 min
 Lab File: VL034628.D
 Acq: 18 Feb 2020 17:40

Tgt Ion: 164 Resp: 3869
 Ion Ratio Lower Upper
 164 100
 166 70.8 99.0 148.4#
 129 27.8 85.3 127.9#
 131 100.7 84.2 126.2

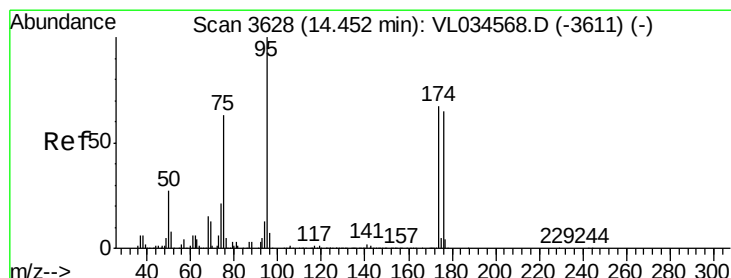
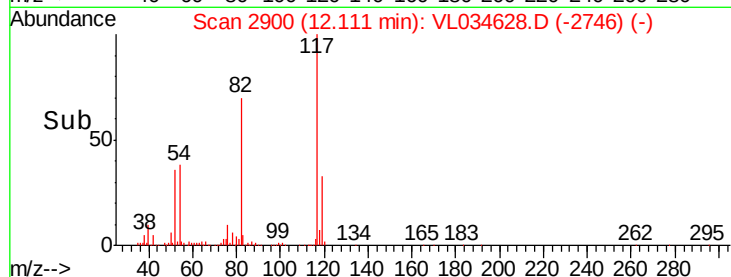
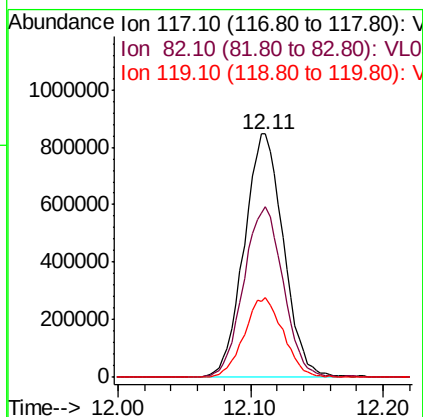
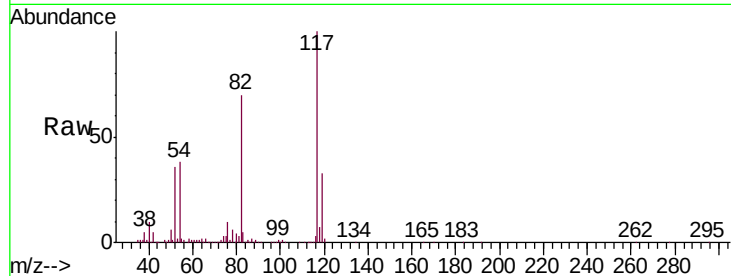




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.00 min
Lab File: VL034628.D
Acq: 18 Feb 2020 17:40

Instrument :
MSVOA_L
ClientSampleId :
DC-IADL

Tgt Ion:117 Resp: 1744265
Ion Ratio Lower Upper
117 100
82 71.2 54.2 81.4
119 32.5 26.1 39.1



#68
1-Bromo-4-Fluorobenzene
Concen: 10.005 ppbv
RT: 14.45 min Scan# 3626
Delta R.T. -0.01 min
Lab File: VL034628.D
Acq: 18 Feb 2020 17:40

Tgt Ion: 95 Resp: 1474941
Ion Ratio Lower Upper
95 100
174 65.2 52.3 78.5
175 4.6 3.8 5.6

