

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091620\
 Data File : VL035636.D
 Acq On : 16 Sep 2020 19:44
 Operator : SY/AP
 Sample : L4026-03DL 4X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 TRC-AA-01DL

Quant Time: Sep 17 07:50:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1228380	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4804974	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4751352	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3485901	10.33	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

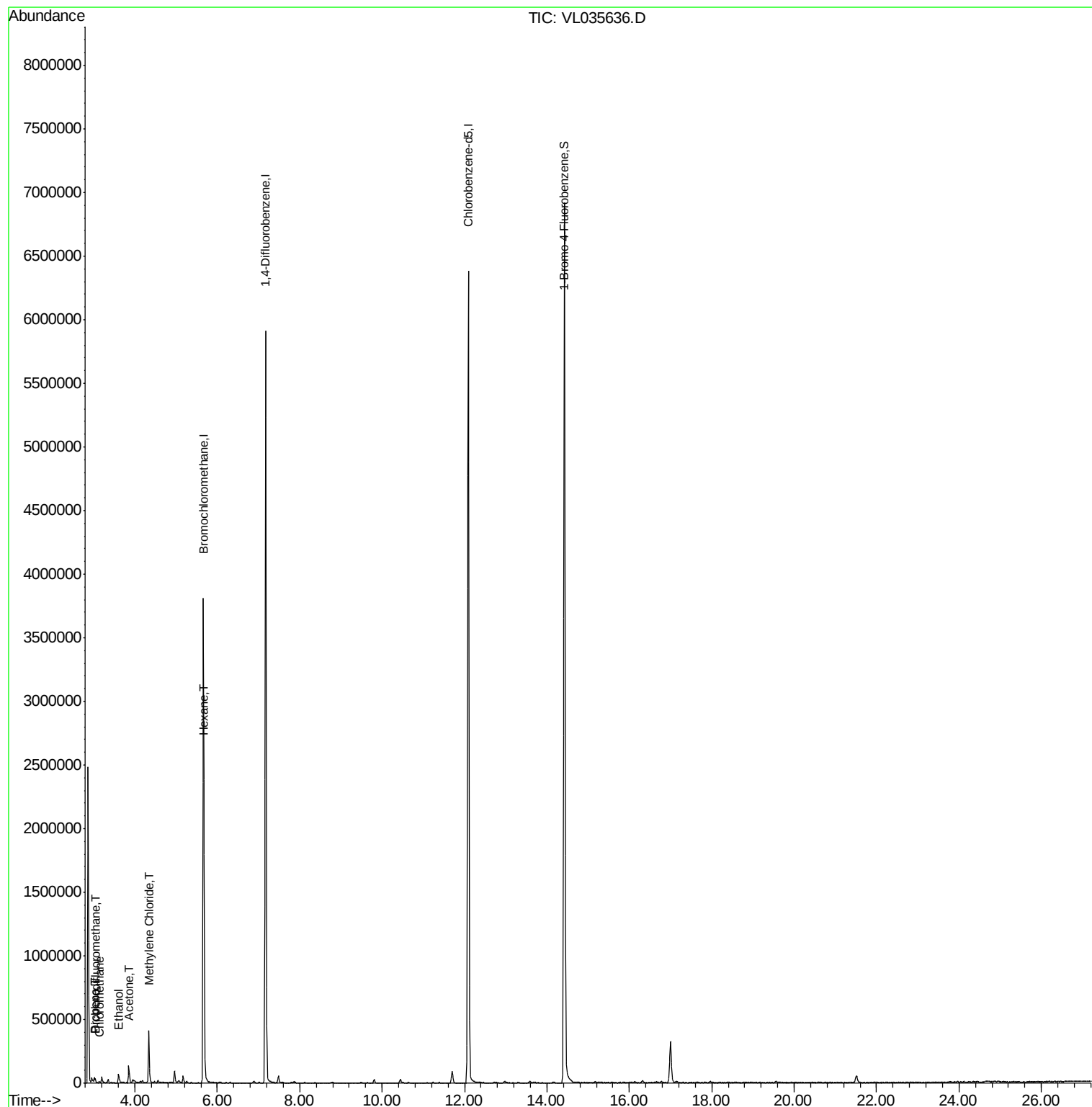
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	24065	0.113	ppbv	98
4) Chloromethane	3.13	50	8254	0.113	ppbv #	87
9) Propene	3.02	41	8852	0.169	ppbv #	79
13) Ethanol	3.60	45	69446	5.348	ppbv	98
15) Acetone	3.85	43	125662	0.928	ppbv	90
20) Methylene Chloride	4.34	84	181527	1.799	ppbv	95
26) Hexane	5.68	57	47396	0.349	ppbv #	49

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

TRC-AA-01DL

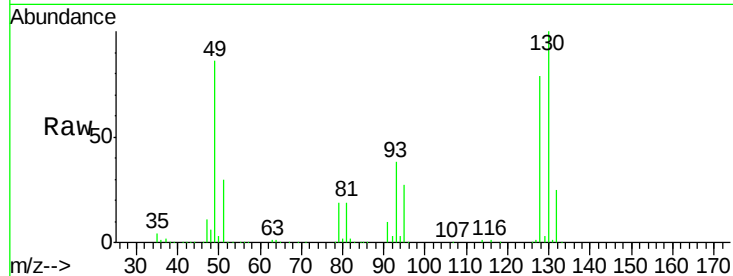
Tot Ion: 49 Resp: 1228380

Ion Ratio Lower Upper

49 100

128 91.1 50.0 150.1

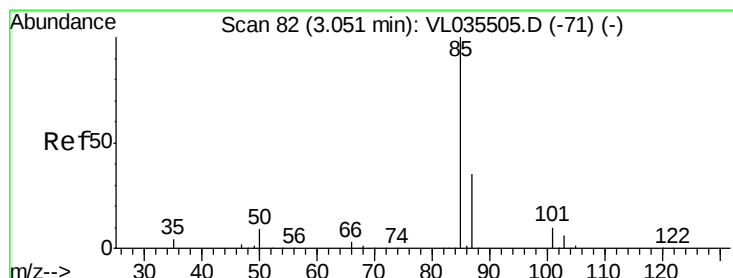
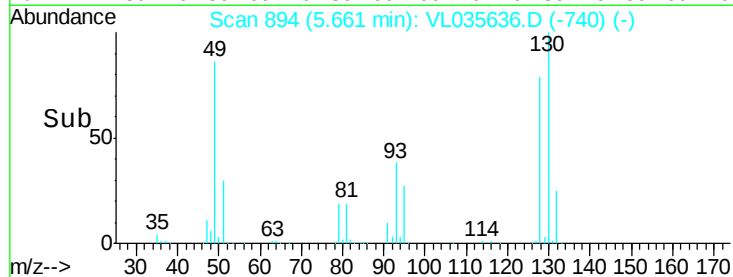
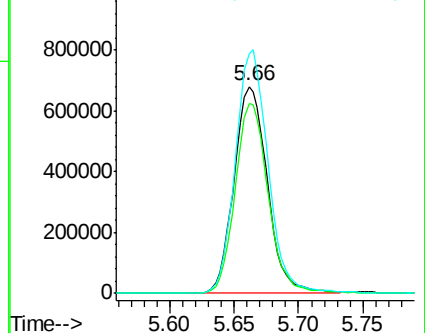
130 115.9 64.4 193.2



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



#2

Dichlorodifluoromethane

Concen: 0.113 ppbv

RT: 3.04 min Scan# 79

Delta R.T. 0.01 min

Lab File: VL035636.D

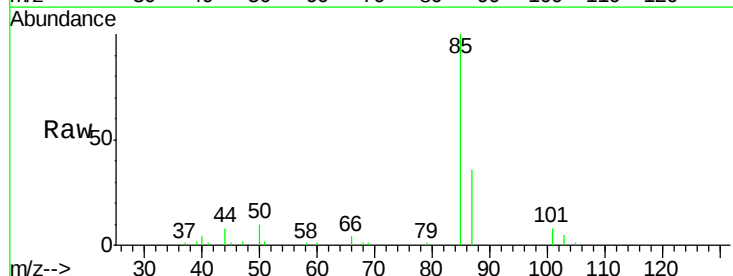
Acq: 16 Sep 2020 19:44

Tgt Ion: 85 Resp: 24065

Ion Ratio Lower Upper

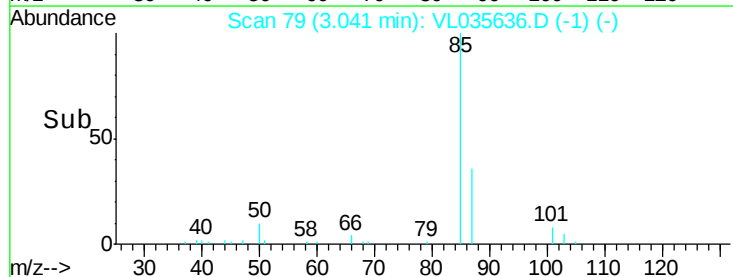
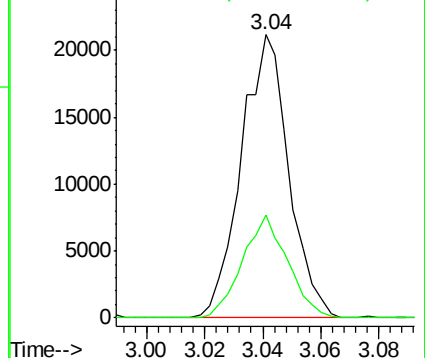
85 100

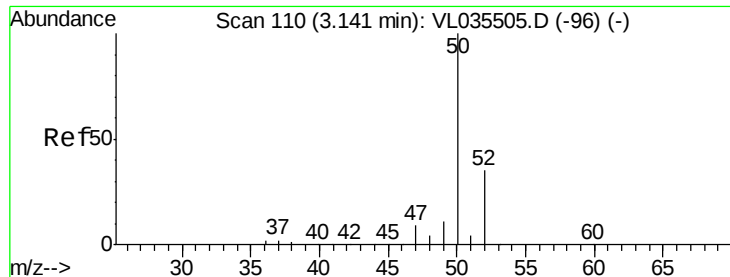
87 36.1 28.0 42.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#4

Chloromethane

Concen: 0.113 ppbv

RT: 3.13 min Scan# 108

Delta R.T. 0.01 min

Lab File: VL035636.D

Acq: 16 Sep 2020 19:44

Instrument :

MSVOA_L

ClientSampleId :

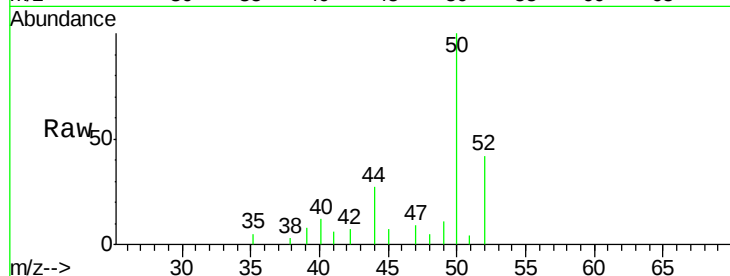
TRC-AA-01DL

Tot Ion: 50 Resp: 8254

Ion Ratio Lower Upper

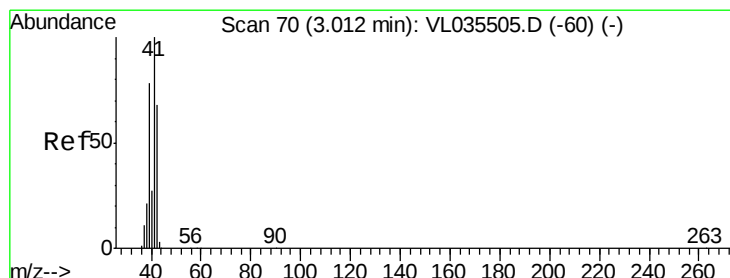
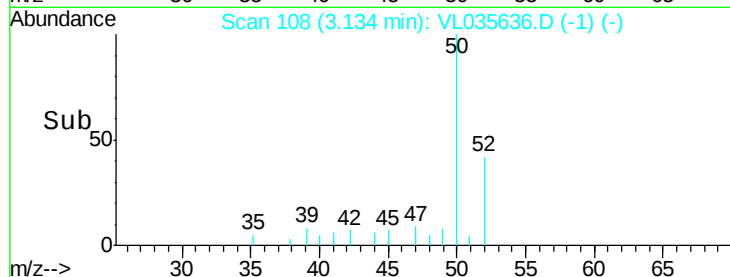
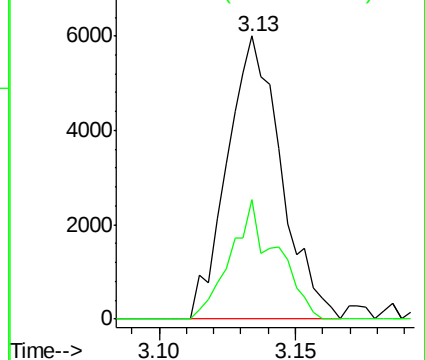
50 100

52 42.1 27.7 41.5#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 0.169 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.02 min

Lab File: VL035636.D

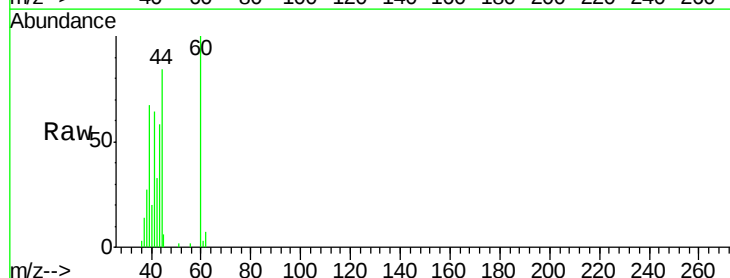
Acq: 16 Sep 2020 19:44

Tgt Ion: 41 Resp: 8852

Ion Ratio Lower Upper

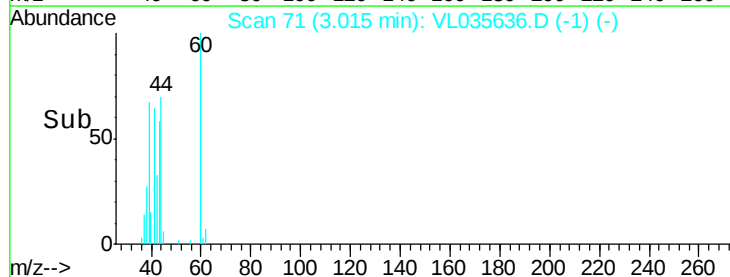
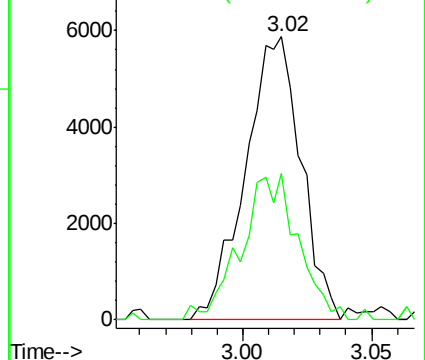
41 100

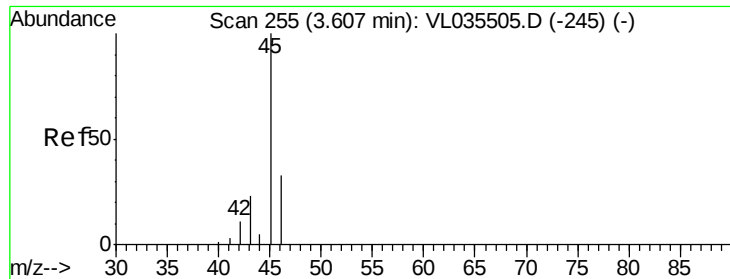
42 53.0 56.3 84.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 5.348 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.01 min

Lab File: VL035636.D

Acq: 16 Sep 2020 19:44

Instrument :

MSVOA_L

ClientSampleId :

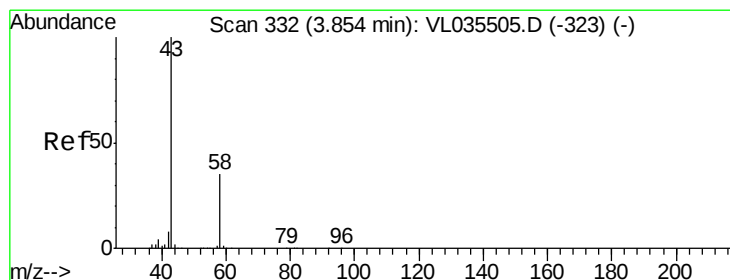
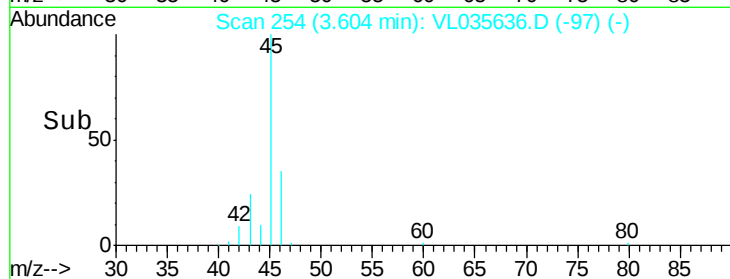
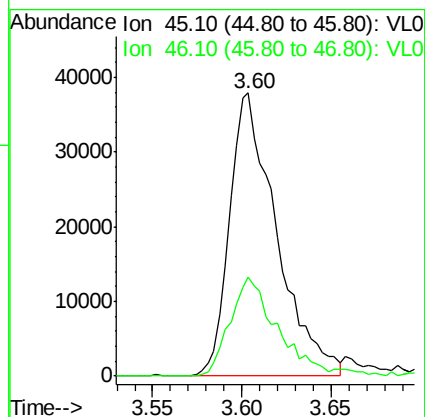
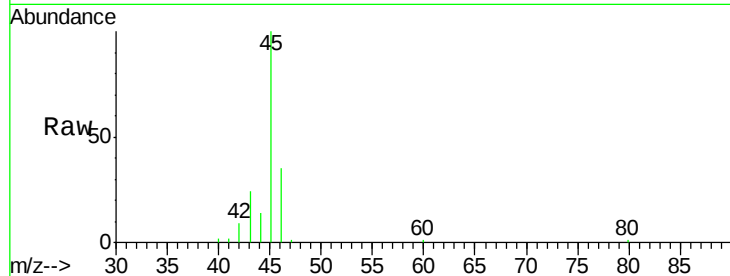
TRC-AA-01DL

Tot Ion: 45 Resp: 69446

Ion Ratio Lower Upper

45 100

46 36.8 15.2 60.6



#15

Acetone

Concen: 0.928 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.01 min

Lab File: VL035636.D

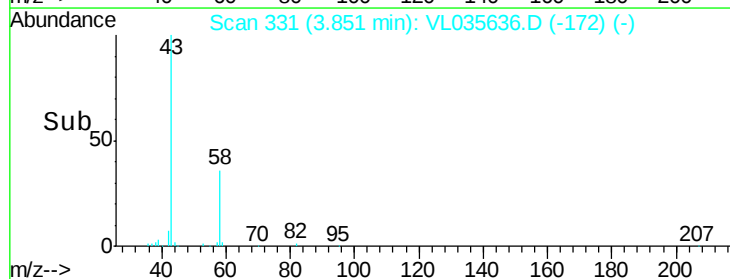
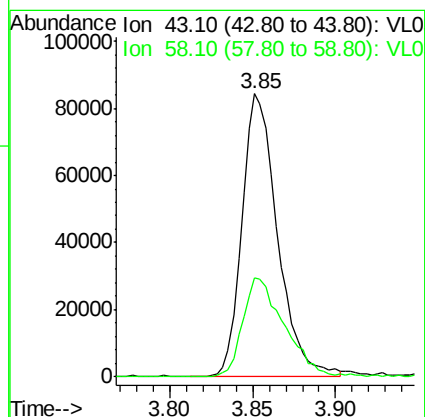
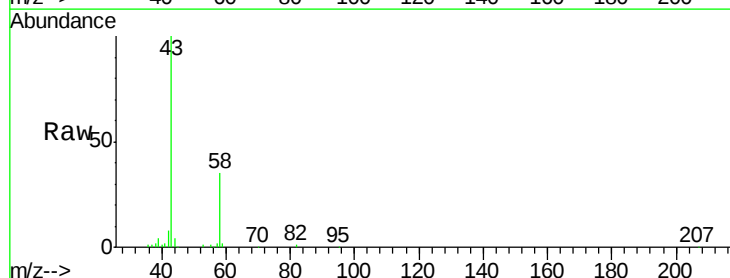
Acq: 16 Sep 2020 19:44

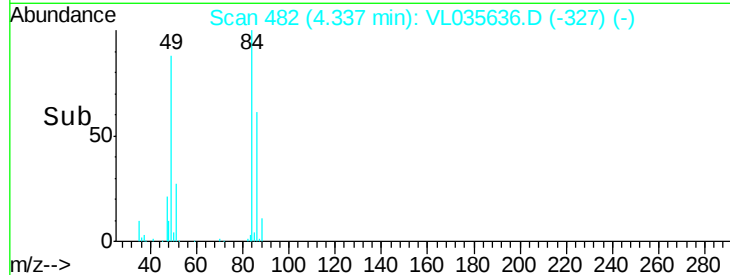
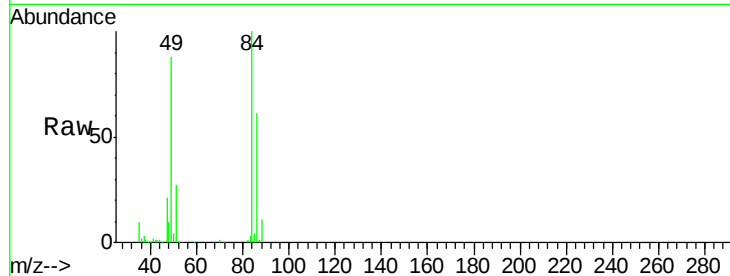
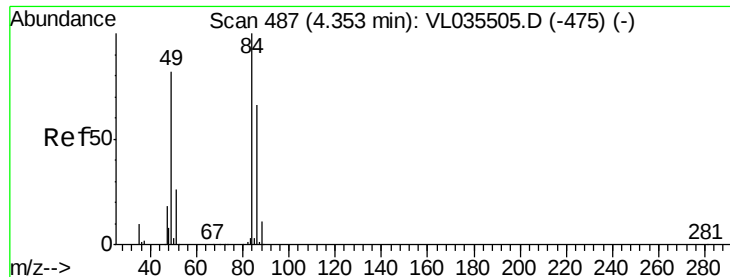
Tgt Ion: 43 Resp: 125662

Ion Ratio Lower Upper

43 100

58 41.6 28.4 42.6

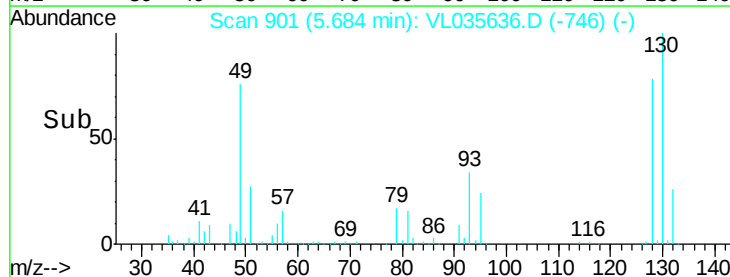
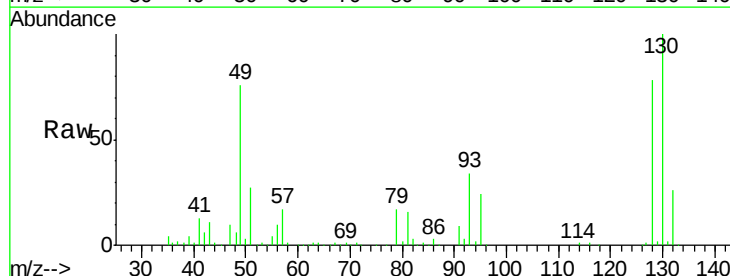
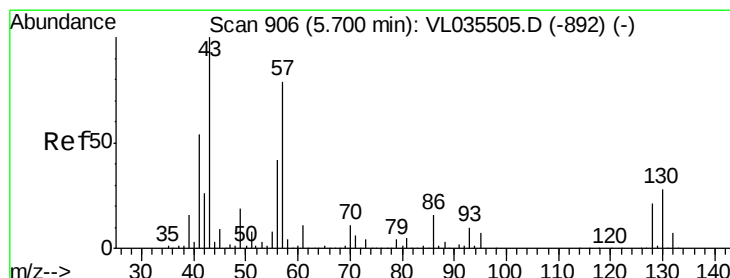
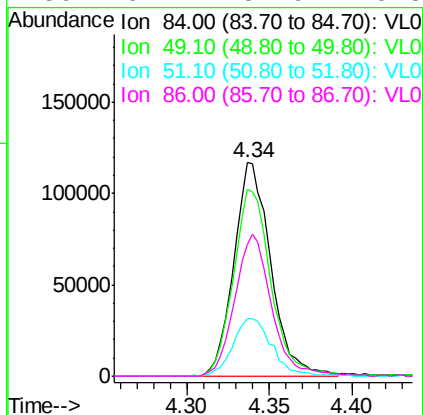




#20
Methvlene Chloride
Concen: 1.799 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL035636.D
Acq: 16 Sep 2020 19:44

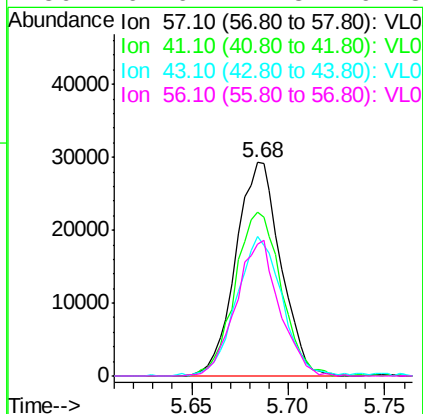
Instrument :
MSVOA_L
ClientSampleId :
TRC-AA-01DL

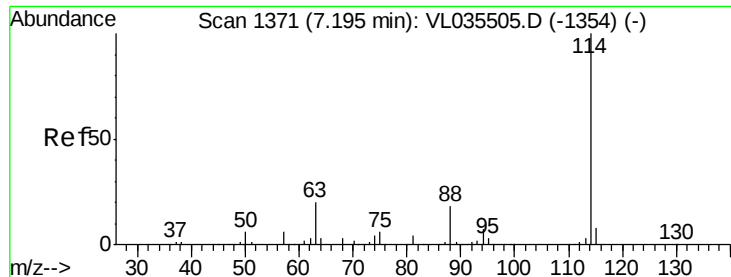
Tot Ion:	84	Resp:	181527
Ion	Ratio	Lower	Upper
84	100		
49	87.8	65.4	98.0
51	26.8	21.5	32.3
86	61.4	52.9	79.3



#26
Hexane
Concen: 0.349 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL035636.D
Acq: 16 Sep 2020 19:44

Tgt Ion:	57	Resp:	47396
Ion	Ratio	Lower	Upper
57	100		
41	79.0	55.9	83.9
43	67.0	141.8	212.8#
56	61.6	41.8	62.8

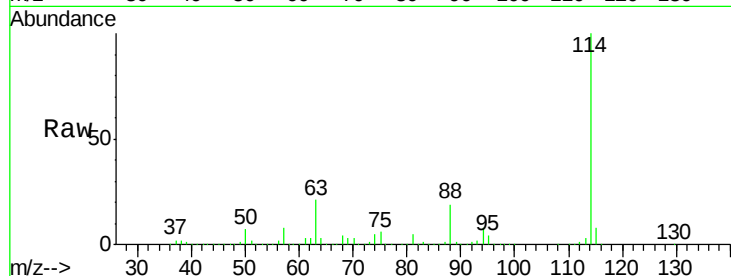




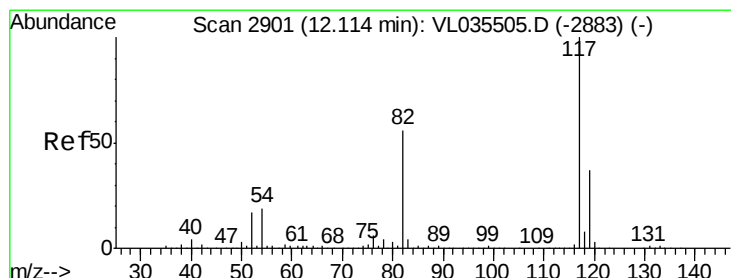
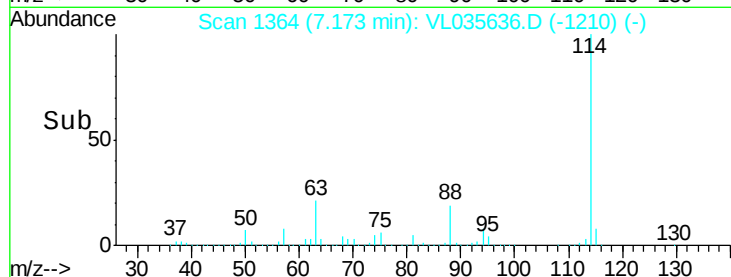
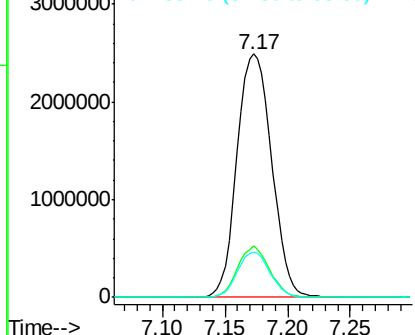
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VL035636.D
 Acq: 16 Sep 2020 19:44

Instrument :
 MSVOA_L
 ClientSampleId :
 TRC-AA-01DL

Tot Ion:114 Resp: 4804974
 Ion Ratio Lower Upper
 114 100
 63 19.4 14.7 22.1
 88 17.4 13.4 20.2

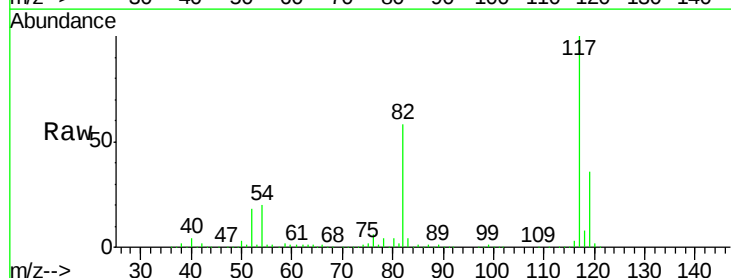


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

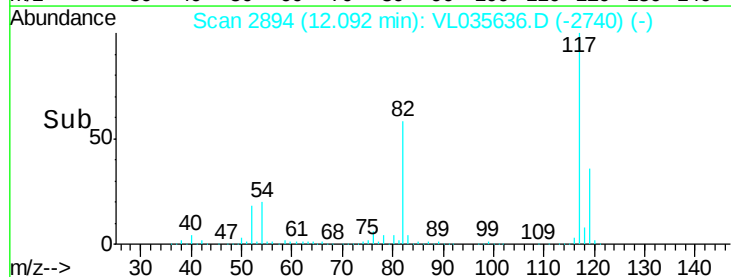
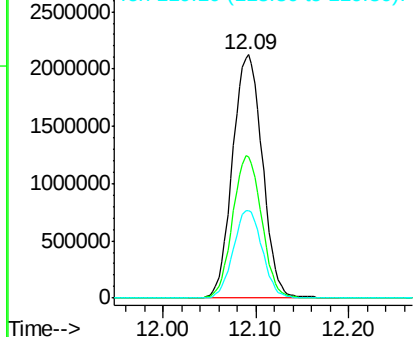


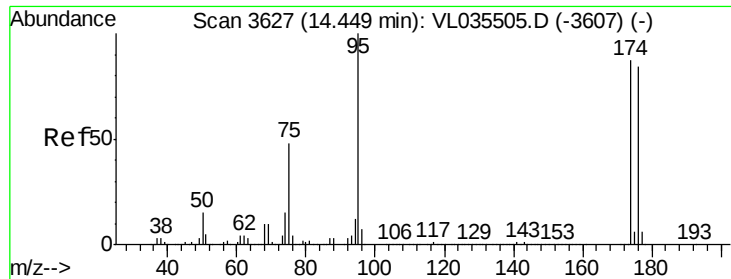
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min Scan# 2894
 Delta R.T. -0.00 min
 Lab File: VL035636.D
 Acq: 16 Sep 2020 19:44

Tgt Ion:117 Resp: 4751352
 Ion Ratio Lower Upper
 117 100
 82 57.1 41.6 62.4
 119 35.0 29.3 43.9



Abundance Ion 117.10 (116.80 to 117.80): V
 Ion 82.10 (81.80 to 82.80): VL0
 Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.331 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. -0.01 min

Lab File: VL035636.D

Acq: 16 Sep 2020 19:44

Instrument :

MSVOA_L

ClientSampleId :

TRC-AA-01DL

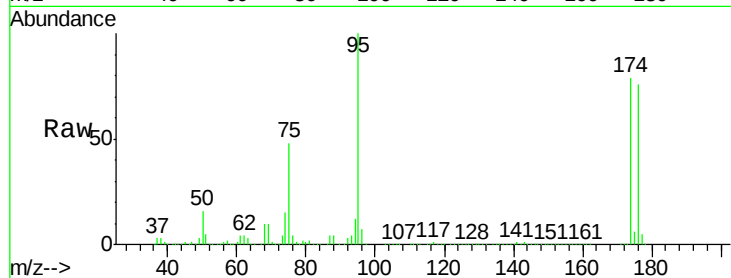
Tot Ion: 95 Resp: 3485901

Ion Ratio Lower Upper

95 100

174 79.4 69.6 104.4

175 5.8 5.1 7.7



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

