

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 07:08:34 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%

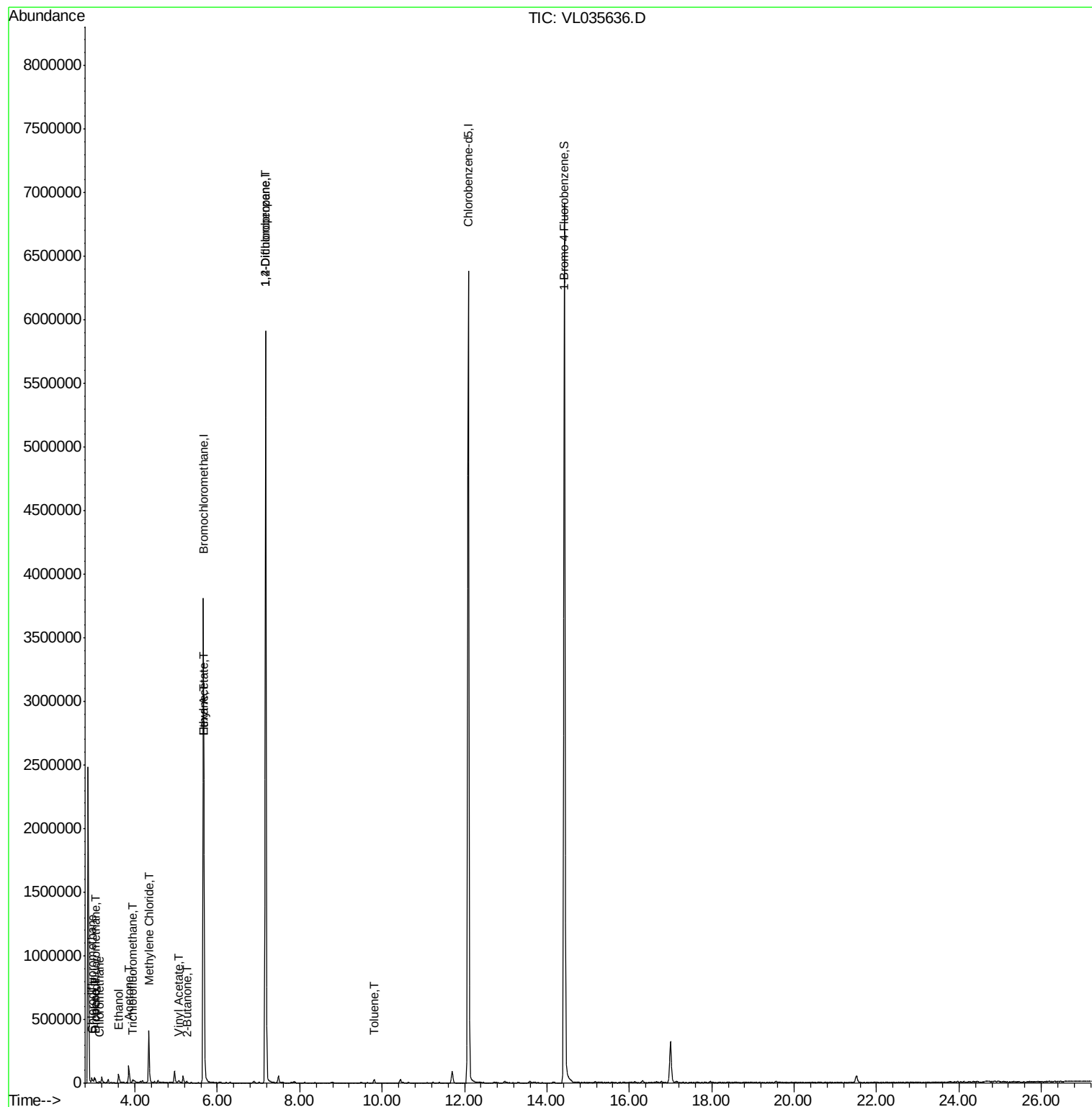
Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	24065	0.113 ppbv	98
3) Chlorodifluoromethane	2.95	51	30993	0.228 ppbv #	71
4) Chloromethane	3.13	50	8254	0.113 ppbv #	87
9) Propene	3.02	41	8852	0.169 ppbv #	79
11) Trichlorofluoromethane	3.94	101	16930	0.055 ppbv	91
13) Ethanol	3.60	45	69446	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
23) Vinyl Acetate	5.07	43	9929	0.057 ppbv #	89
25) Ethyl Acetate	5.68	43	31296	0.131 ppbv #	77
26) Hexane	5.68	57	47396	0.349 ppbv #	49
34) 2-Butanone	5.25	43	4703	0.033 ppbv #	40
39) 1,2-Dichloropropane	7.17	63	930323	8.854 ppbv #	32
53) Toluene	9.82	91	20829	0.053 ppbv	99

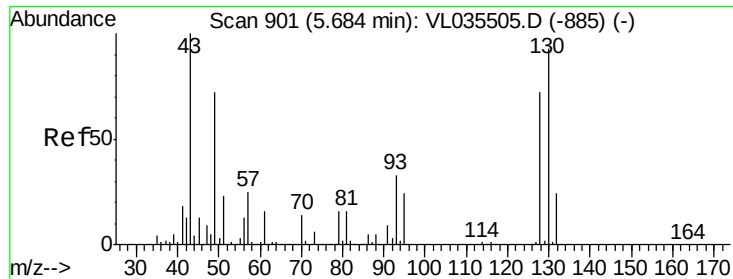
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 17 07:08:34 2020
Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL035636.D

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Instrument :

MSVOA_L

ClientSampleId :

TRC-AA-01DL

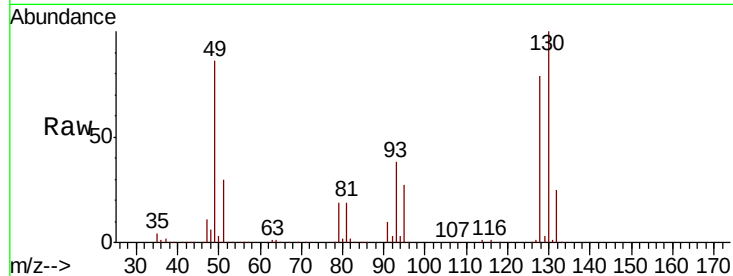
Tot Ion: 49 Resp: 1228380

Ion Ratio Lower Upper

49 100

128 91.1 50.0 150.1

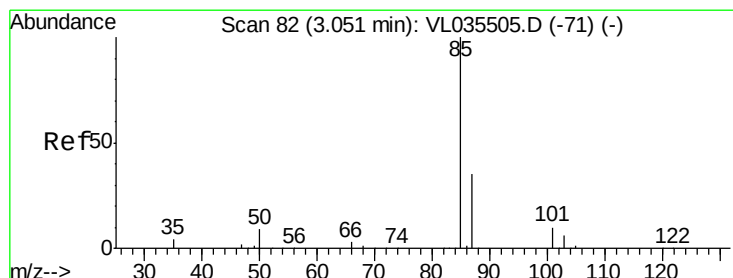
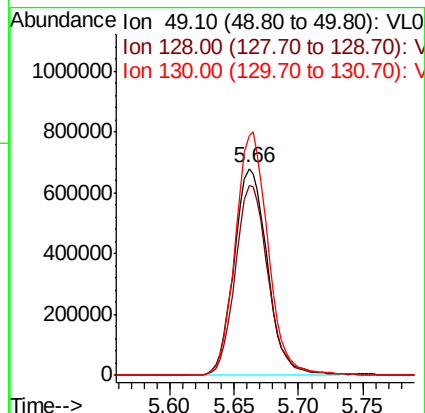
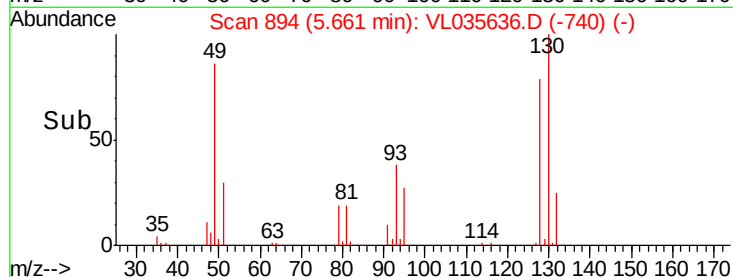
130 115.9 64.4 193.2



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

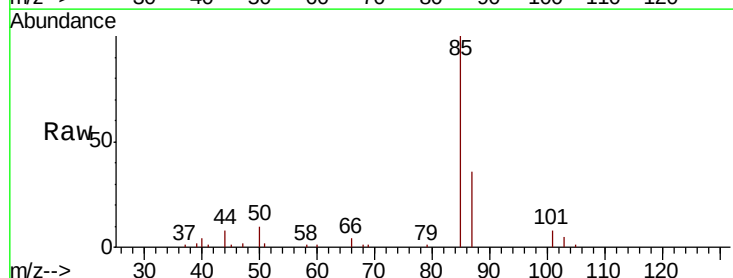
Acq: 16 Sep 2020 19:44

Tgt Ion: 85 Resp: 24065

Ion Ratio Lower Upper

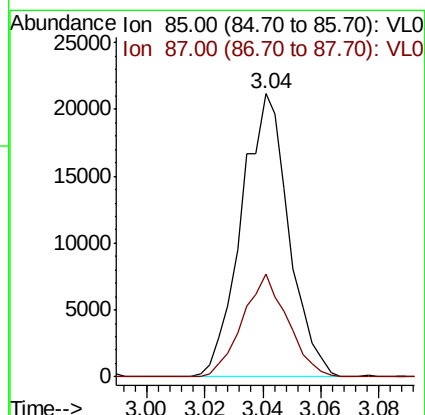
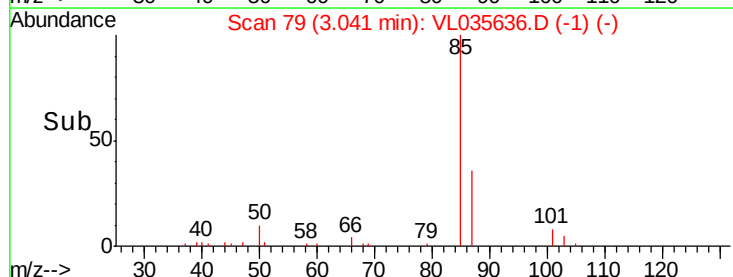
85 100

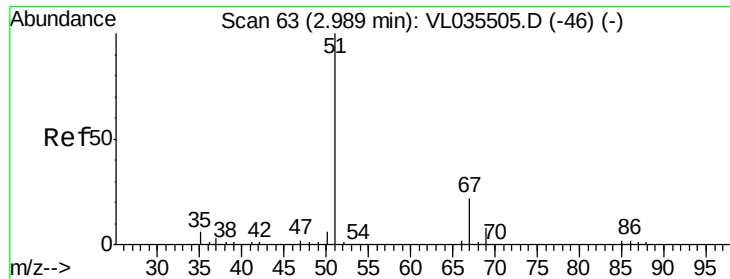
87 36.1 28.0 42.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.228 ppbv

RT: 2.95 min Scan# 52

Delta R.T. -0.02 min

Lab File: VL035636.D

Acq: 16 Sep 2020 19:44

Instrument :

MSVOA_L

ClientSampleId :

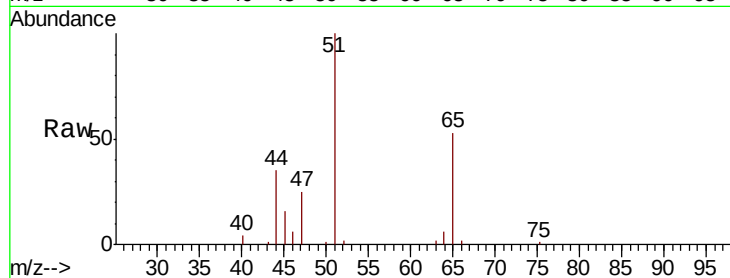
TRC-AA-01DL

Tot Ion: 51 Resp: 30993

Ion Ratio Lower Upper

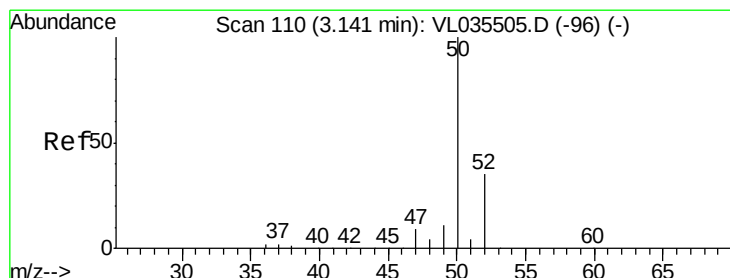
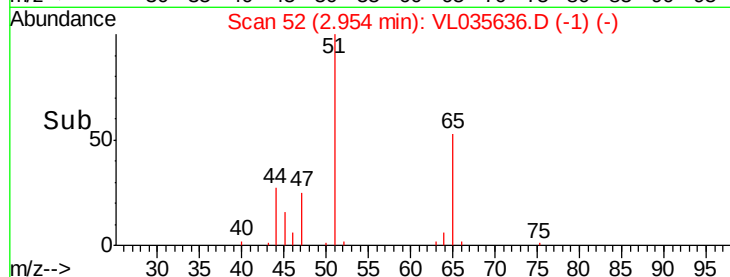
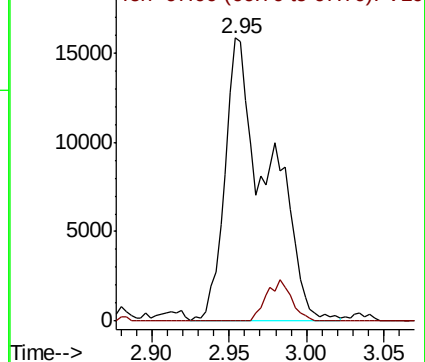
51 100

67 8.5 17.8 26.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.113 ppbv

RT: 3.13 min Scan# 108

Delta R.T. 0.01 min

Lab File: VL035636.D

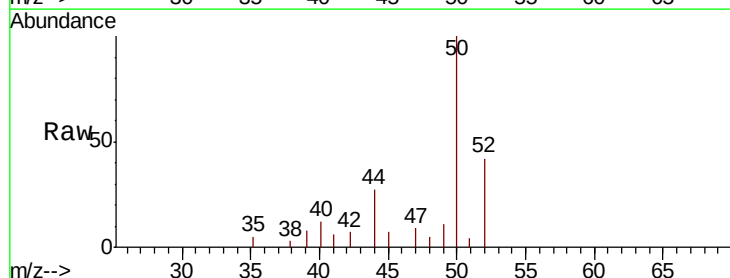
Acq: 16 Sep 2020 19:44

Tgt Ion: 50 Resp: 8254

Ion Ratio Lower Upper

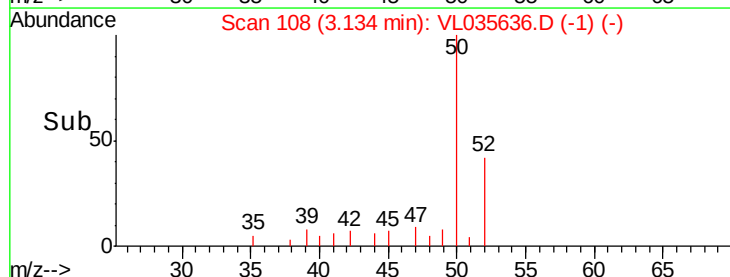
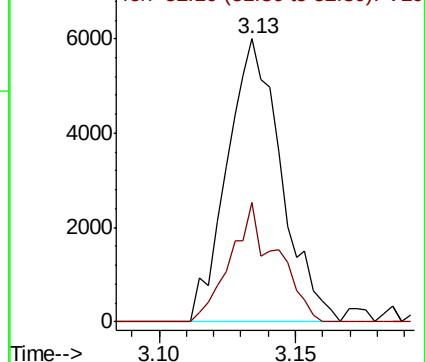
50 100

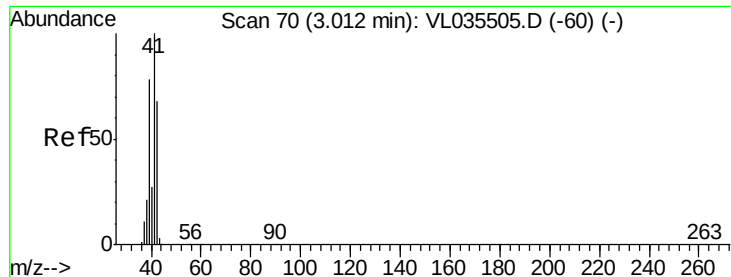
52 42.1 27.7 41.5#



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

Instrument :

MSVOA_L

ClientSampleId :

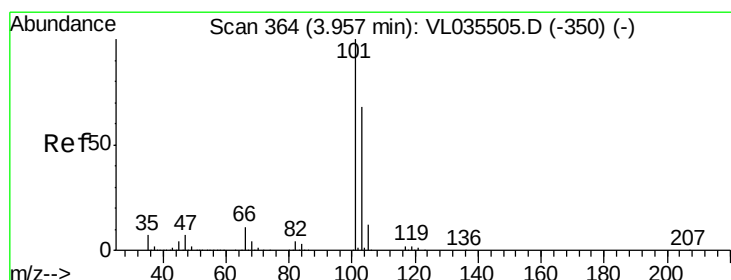
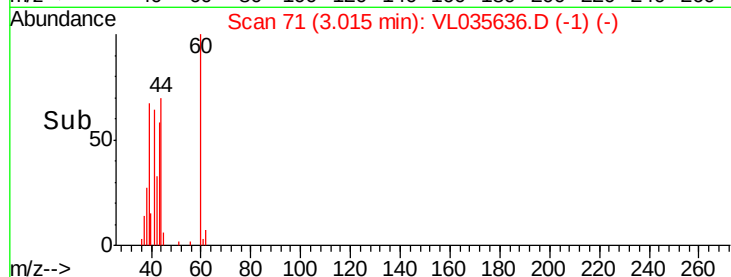
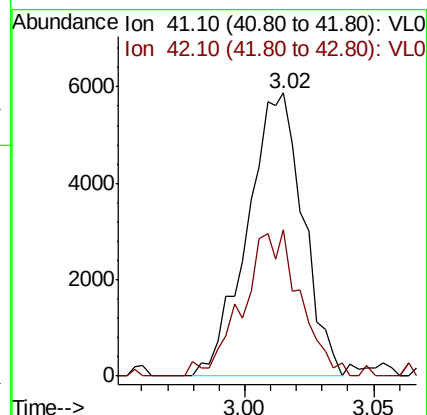
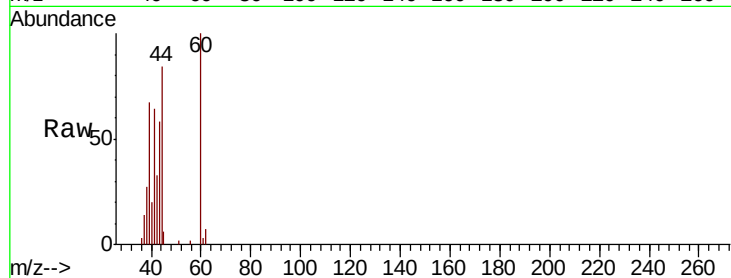
TRC-AA-01DL

Tot Ion: 41 Resp: 8852

Ion Ratio Lower Upper

41 100

42 53.0 56.3 84.5#



#11

Trichlorofluoromethane

Concen: 0.055 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.00 min

Lab File: VL035636.D

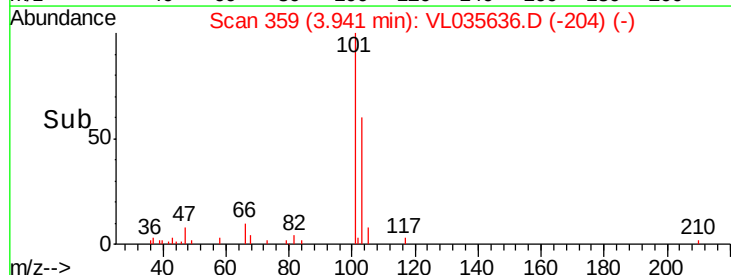
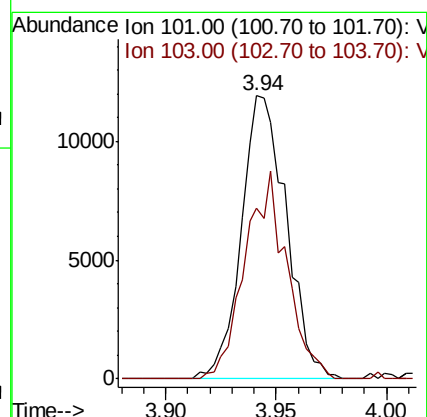
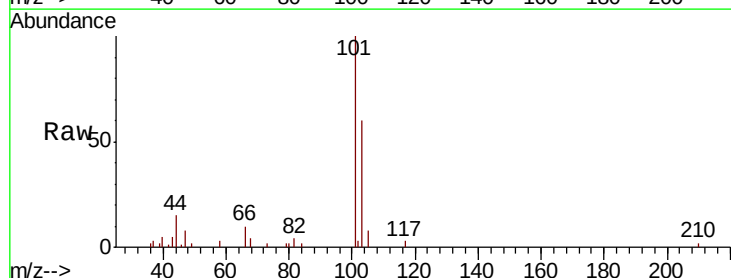
Acq: 16 Sep 2020 19:44

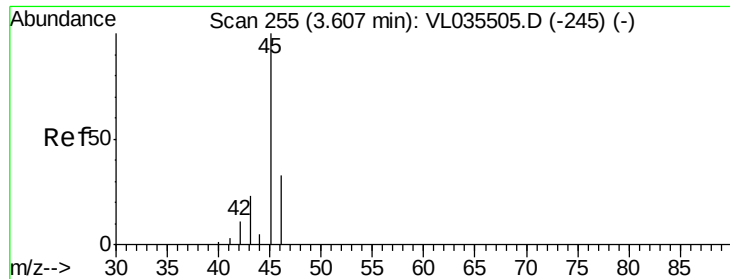
Tgt Ion: 101 Resp: 16930

Ion Ratio Lower Upper

101 100

103 60.4 54.5 81.7





#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 :

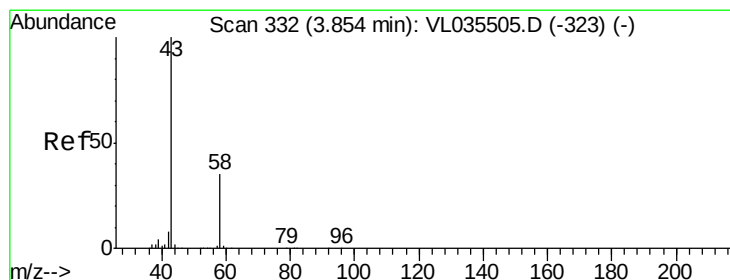
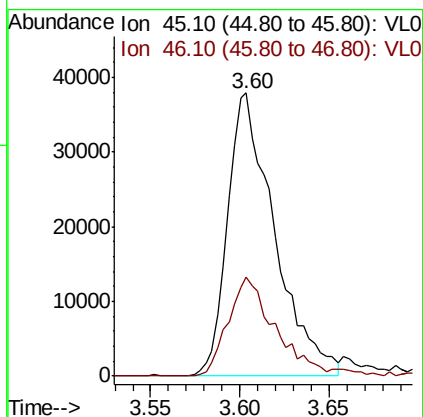
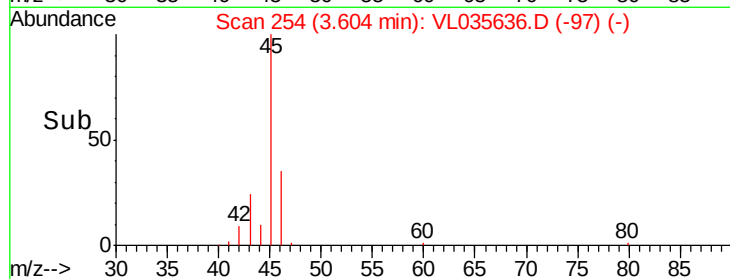
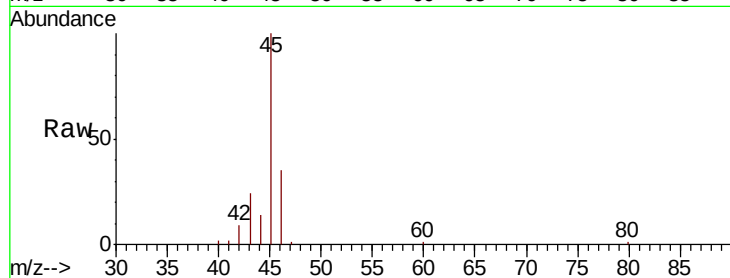
TRC-AA-01DL

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

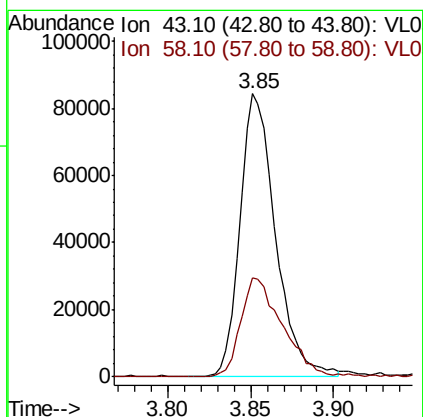
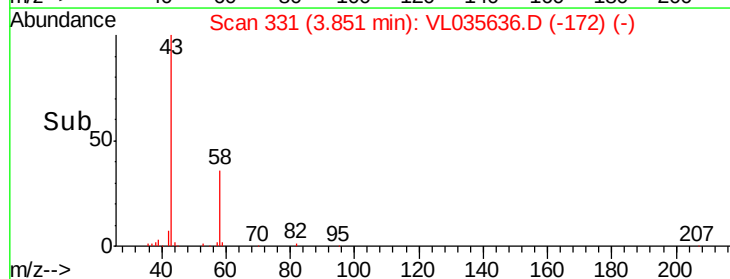
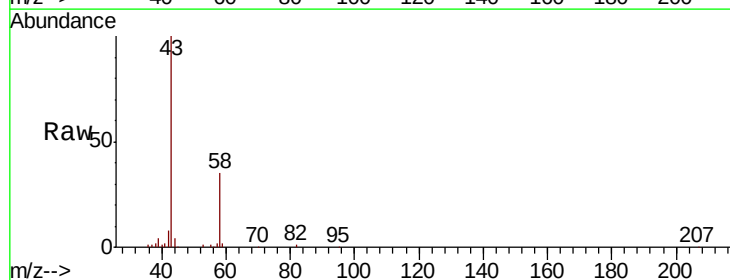
Acq: 16 Sep 2020 19:44

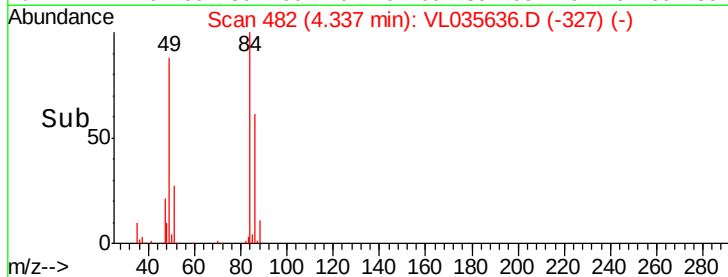
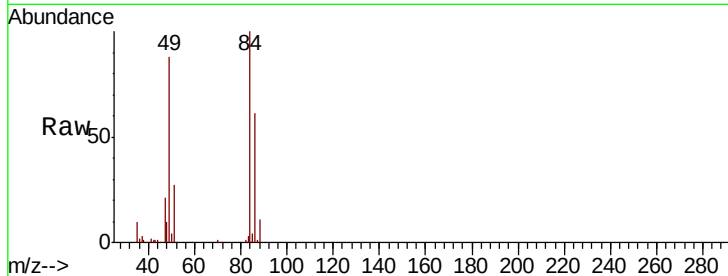
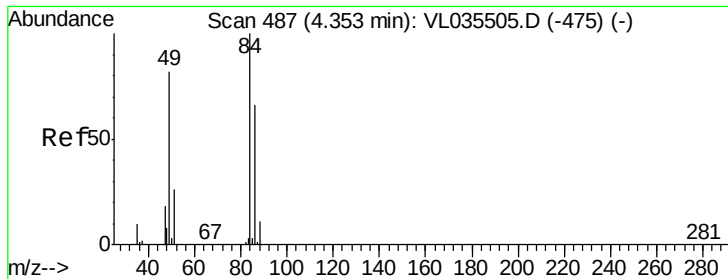
Tgt Ion: 43 Resp: 125662

Ion Ratio Lower Upper

43 100

58 41.6 28.4 42.6

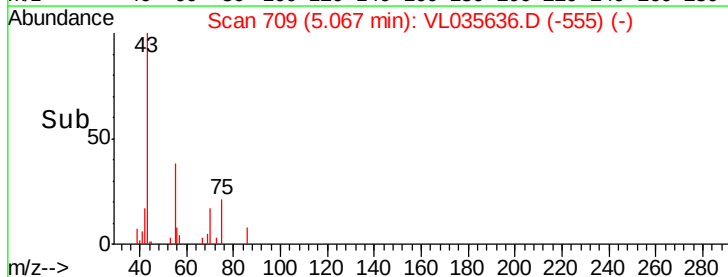
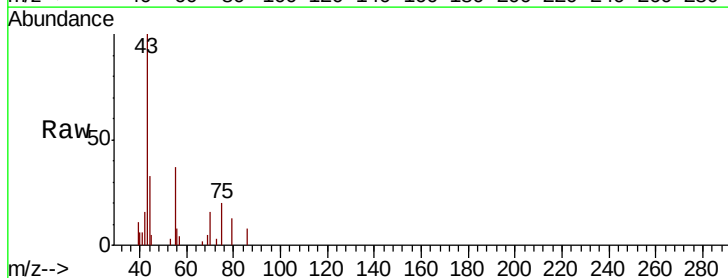
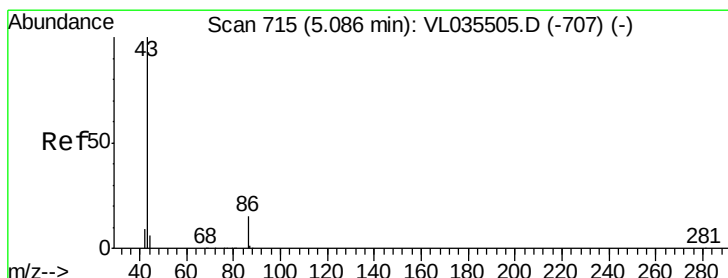
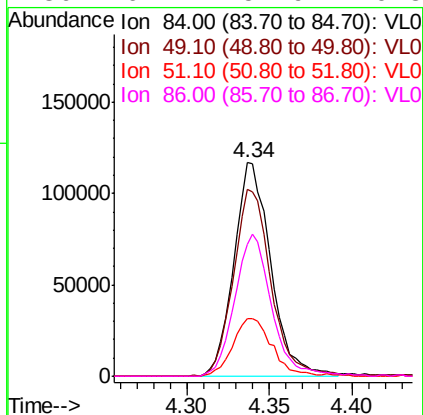




#20
Methvlene Chloride
Concen: 1.799 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL035636.D
Acq: 16 Sep 2020 19:44

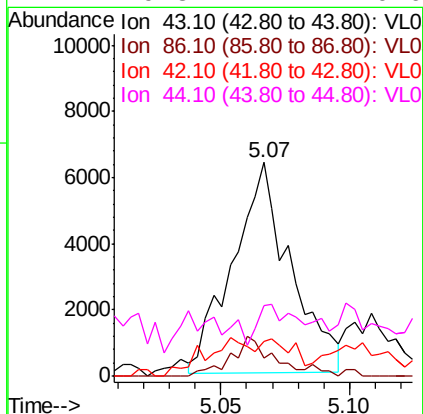
Instrument :
MSVOA_L
ClientSampleId :
TRC-AA-01DL

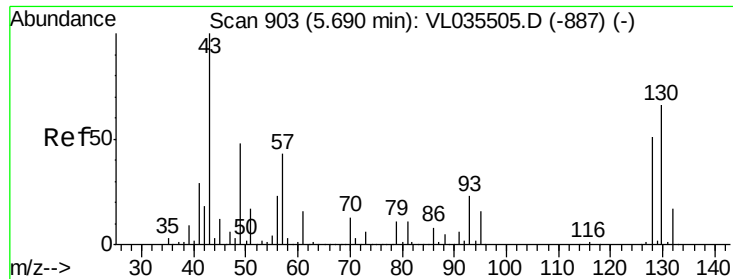
Tot Ion:	84	Resp:	181527
Ion	Ratio	Lower	Upper
84	100		
49	87.8	65.4	98.0
51	26.8	21.5	32.3
86	61.4	52.9	79.3



#23
Vinyl Acetate
Concen: 0.057 ppbv
RT: 5.07 min Scan# 709
Delta R.T. -0.00 min
Lab File: VL035636.D
Acq: 16 Sep 2020 19:44

Tgt Ion:	43	Resp:	9929
Ion	Ratio	Lower	Upper
43	100		
86	8.7	10.6	16.0#
42	13.0	7.5	11.3#
44	9.3	4.4	6.6#

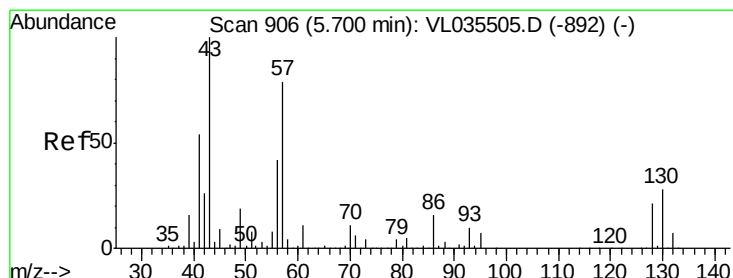
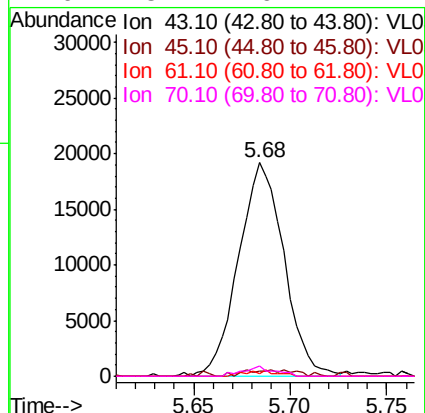
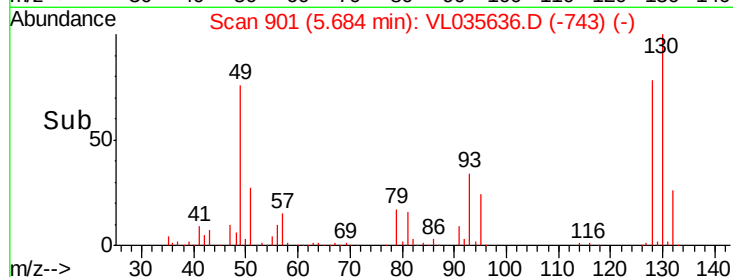
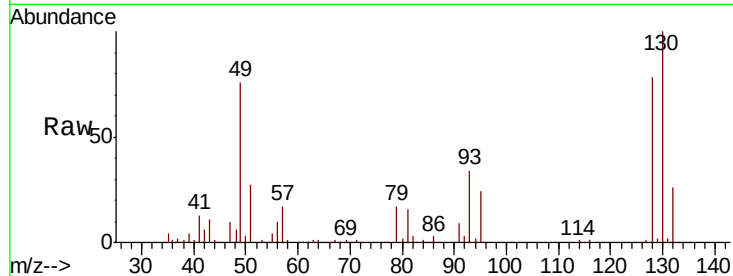




#25
Ethyl Acetate
Concen: 0.131 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL035636.D
Acq: 16 Sep 2020 19:44

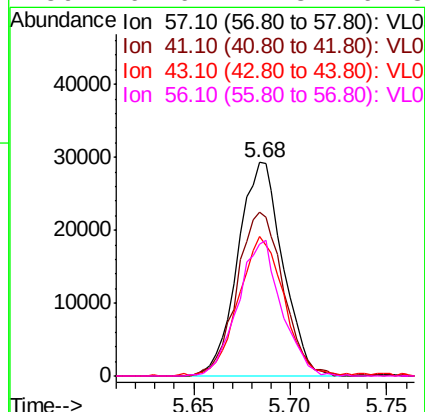
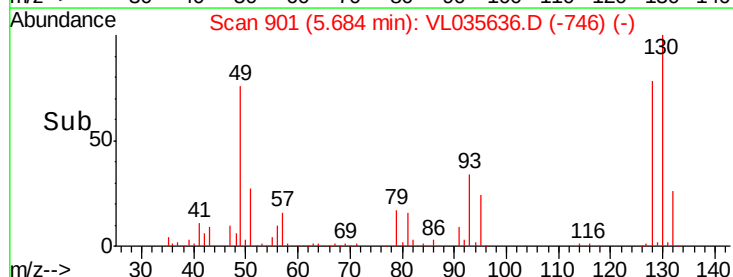
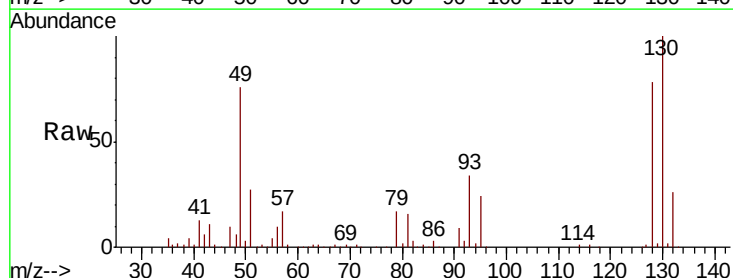
Instrument :
MSVOA_L
ClientSampleId :
TRC-AA-01DL

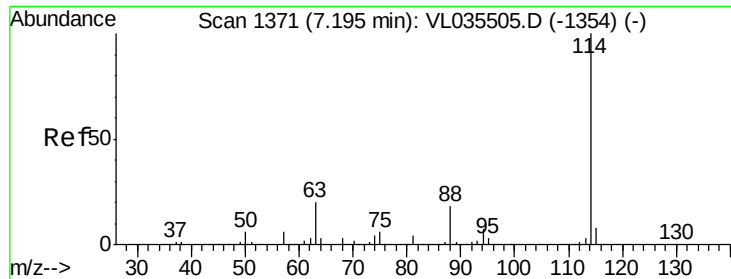
Tot Ion: 43 Resp: 31296
Ion Ratio Lower Upper
43 100
45 3.8 8.4 12.6#
61 1.9 10.6 16.0#
70 3.1 9.4 14.2#



#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

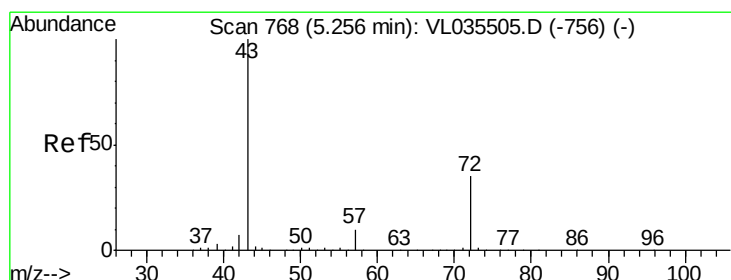
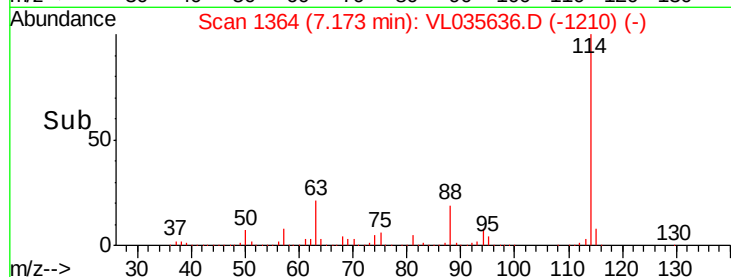
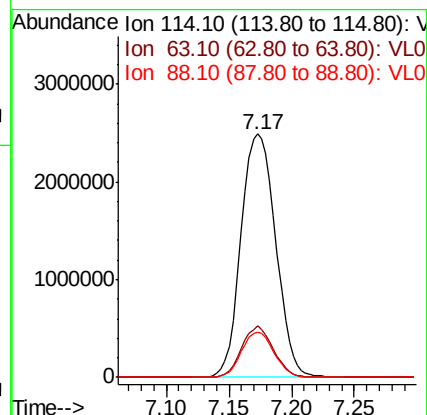
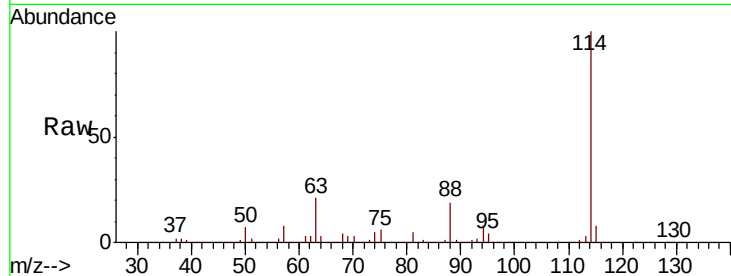




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VL035636.D
 Acq: 16 Sep 2020 19:44

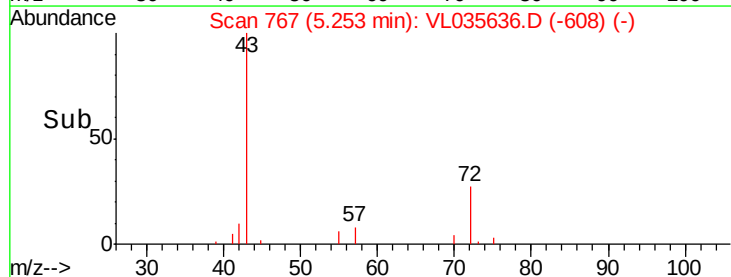
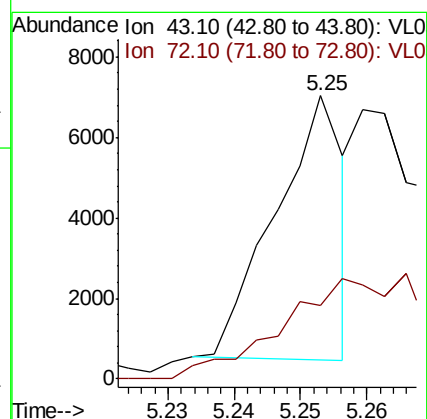
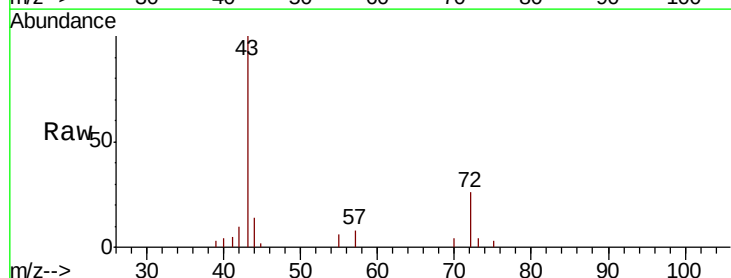
Instrument :
 MSVOA_L
 ClientSampleId :
 TRC-AA-01DL

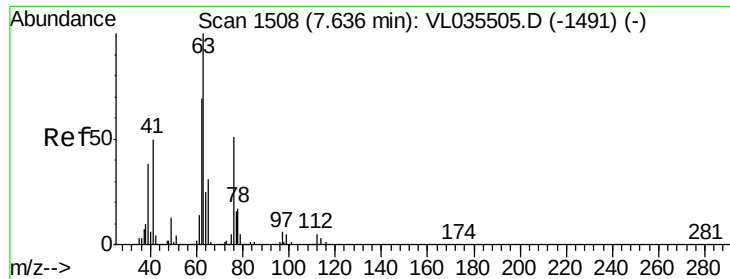
Tot Ion:114 Resp: 4804974
 Ion Ratio Lower Upper
 114 100
 63 19.4 14.7 22.1
 88 17.4 13.4 20.2



#34
 2-Butanone
 Concen: 0.033 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. 0.01 min
 Lab File: VL035636.D
 Acq: 16 Sep 2020 19:44

Tgt Ion: 43 Resp: 4703
 Ion Ratio Lower Upper
 43 100
 72 0.0 27.7 41.5#

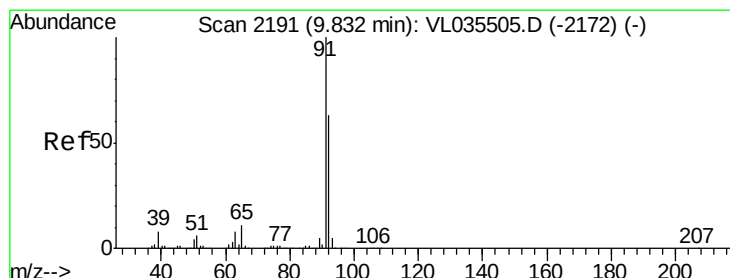
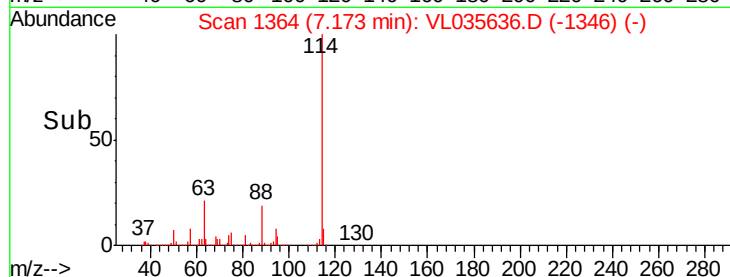
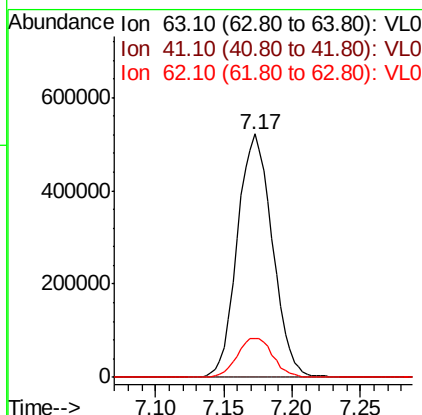
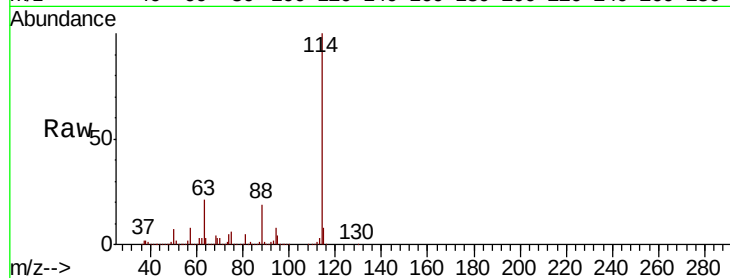




#39
 1,2-Dichloropropane
 Concen: 8.854 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.44 min
 Lab File: VL035636.D
 Acq: 16 Sep 2020 19:44

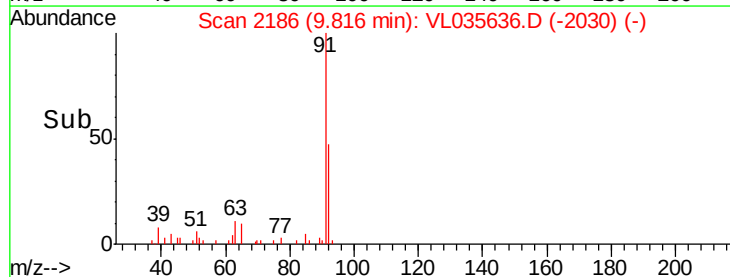
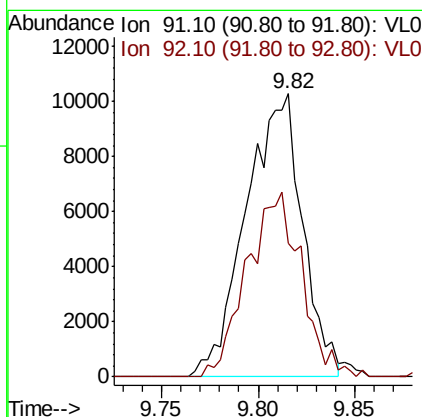
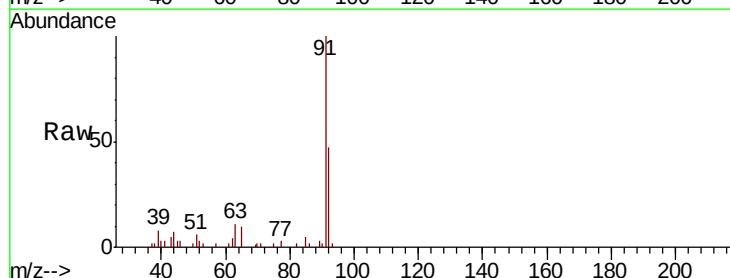
Instrument :
 MSVOA_L
 ClientSampleId :
 TRC-AA-01DL

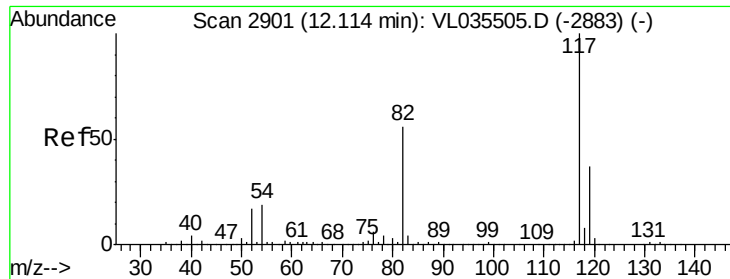
Tot Ion: 63 Resp: 930323
 Ion Ratio Lower Upper
 63 100
 41 0.0 40.0 60.0#
 62 16.2 55.4 83.0#



#53
 Toluene
 Concen: 0.053 ppbv
 RT: 9.82 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VL035636.D
 Acq: 16 Sep 2020 19:44

Tgt Ion: 91 Resp: 20829
 Ion Ratio Lower Upper
 91 100
 92 62.8 49.8 74.8

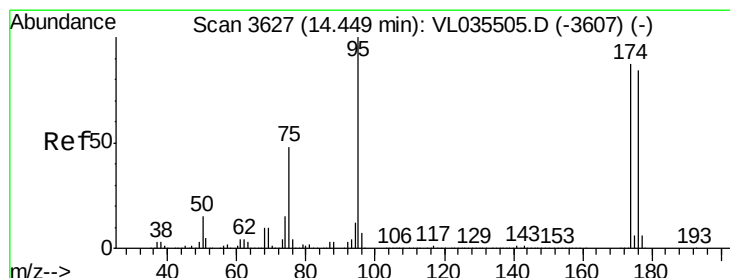
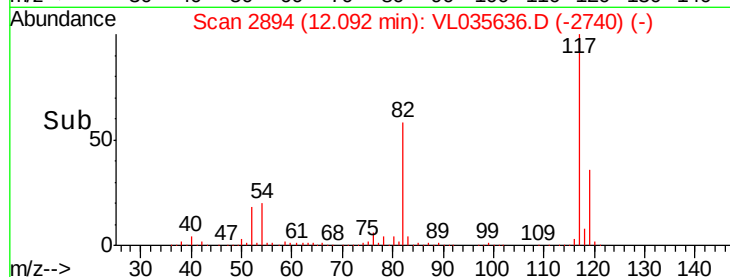
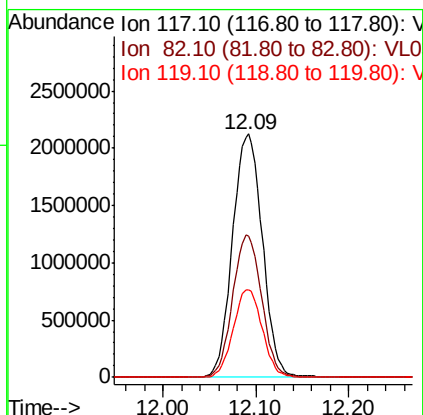
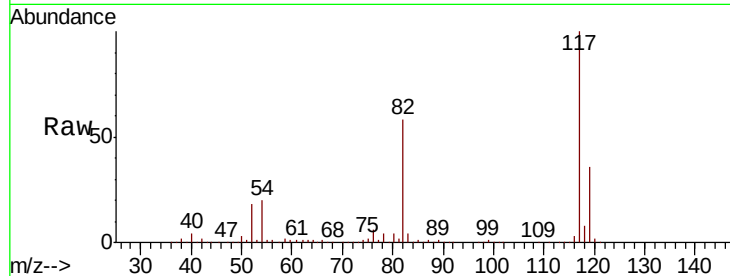




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL035636.D
Acq: 16 Sep 2020 19:44

Instrument :
MSVOA_L
ClientSampleId :
TRC-AA-01DL

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



#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

Tgt Ion: 95 Resp: 3485901
Ion Ratio Lower Upper
95 100
174 79.4 69.6 104.4
175 5.8 5.1 7.7

