

Data File : VL035662.D
Acq On : 17 Sep 2020 18:44
Operator : SY/AP
Sample : L4016-01DL2 400X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV-13DL2

Quant Time: Sep 18 02:32:59 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 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	5.67	49	1143148	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4388241	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4333711	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3187280	10.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.02	41	11248	0.231	ppbv #	75
15) Acetone	3.86	43	147906	1.173	ppbv	92
16) 1,3-Butadiene	3.31	39	6527	0.139	ppbv #	4
20) Methylene Chloride	4.35	84	18532	0.197	ppbv #	88
29) Chloroform	5.75	83	19097	0.074	ppbv	88
38) Trichloroethene	7.84	130	51931	0.315	ppbv	94
39) 1,2-Dichloropropane	7.18	63	841214	8.767	ppbv #	32
44) 2,2,4-Trimethylpentane	7.88	57	32666	0.087	ppbv #	31
52) Tetrachloroethene	11.24	164	2903834	17.499	ppbv	94

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

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SV-13DL2

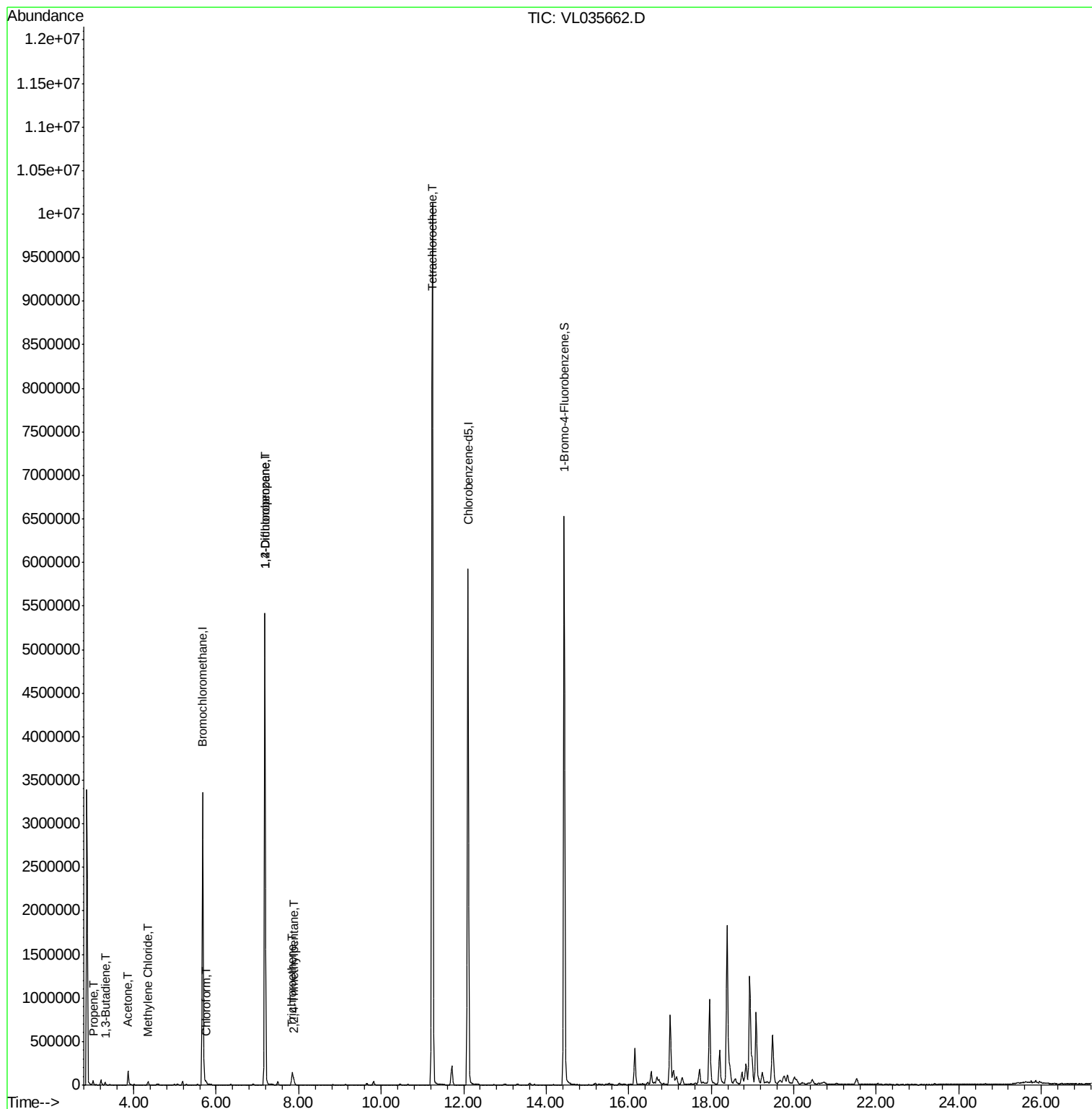
Quant Time: Sep 18 02:32:59 2020

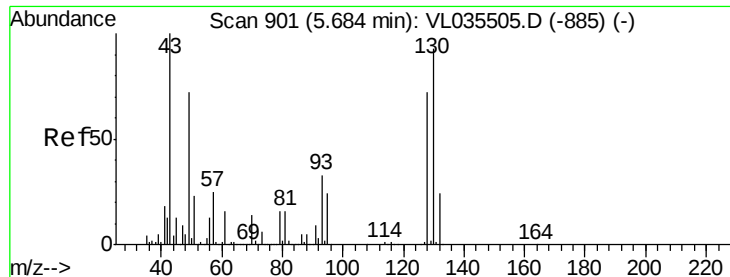
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M

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

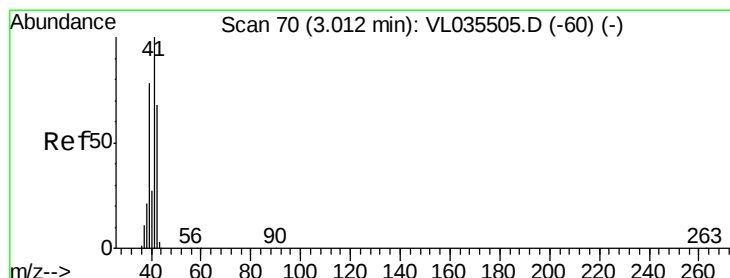
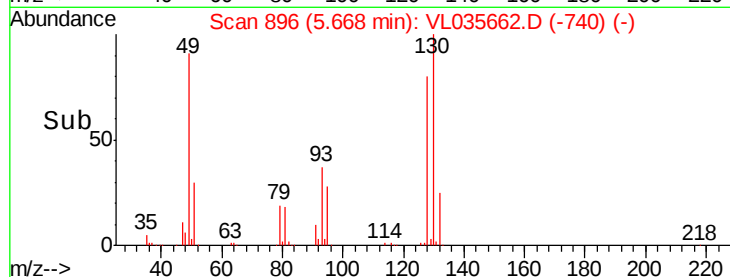
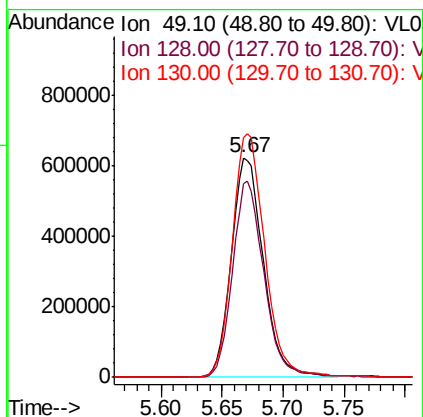
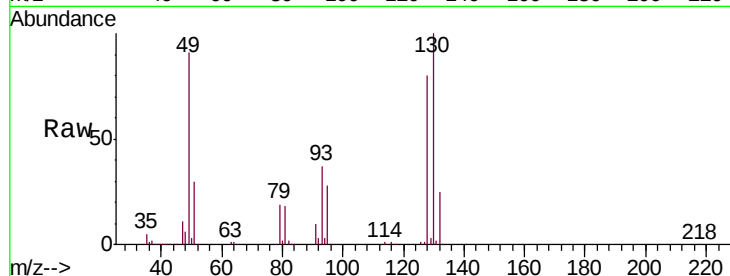




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 896
 Delta R.T. 0.00 min
 Lab File: VL035662.D
 Acq: 17 Sep 2020 18:44

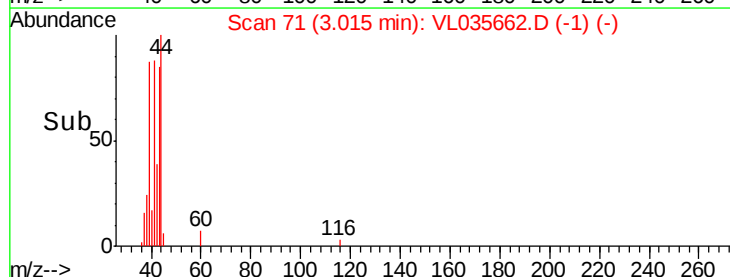
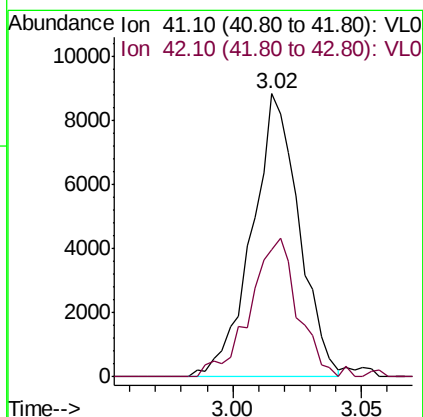
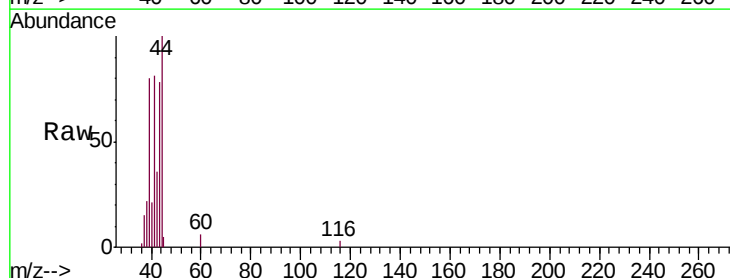
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-13DL2

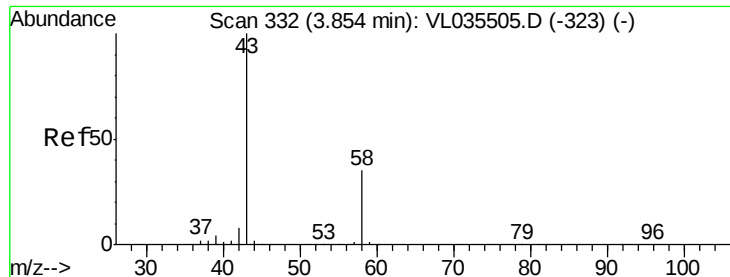
Tgt Ion: 49 Resp: 1143148
 Ion Ratio Lower Upper
 49 100
 128 87.9 50.0 150.1
 130 112.6 64.4 193.2



#9
 Propene
 Concen: 0.231 ppbv
 RT: 3.02 min Scan# 71
 Delta R.T. 0.02 min
 Lab File: VL035662.D
 Acq: 17 Sep 2020 18:44

Tgt Ion: 41 Resp: 11248
 Ion Ratio Lower Upper
 41 100
 42 49.9 56.3 84.5#





#15

Acetone

Concen: 1.173 ppbv

RT: 3.86 min Scan# 335

Delta R.T. 0.03 min

Lab File: VL035662.D

Acq: 17 Sep 2020 18:44

Instrument :

MSVOA_L

ClientSampleId :

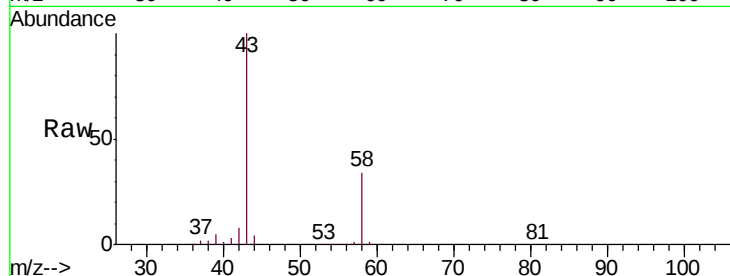
SV-13DL2

Tgt Ion: 43 Resp: 147906

Ion Ratio Lower Upper

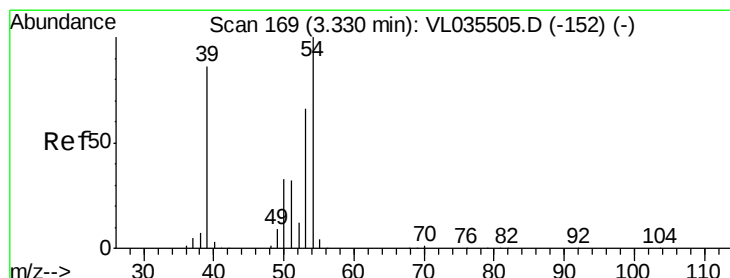
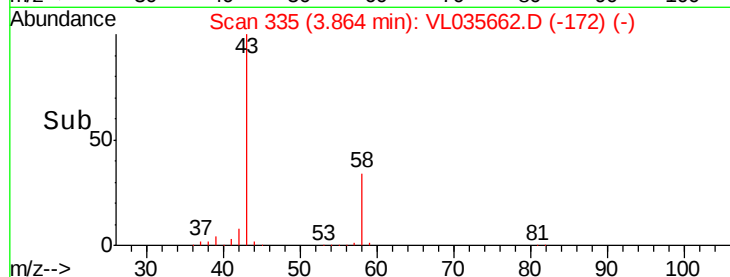
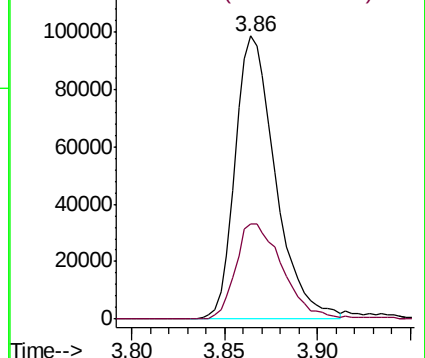
43 100

58 40.0 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.139 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.01 min

Lab File: VL035662.D

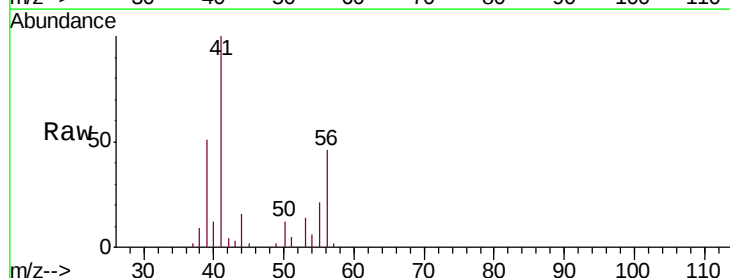
Acq: 17 Sep 2020 18:44

Tgt Ion: 39 Resp: 6527

Ion Ratio Lower Upper

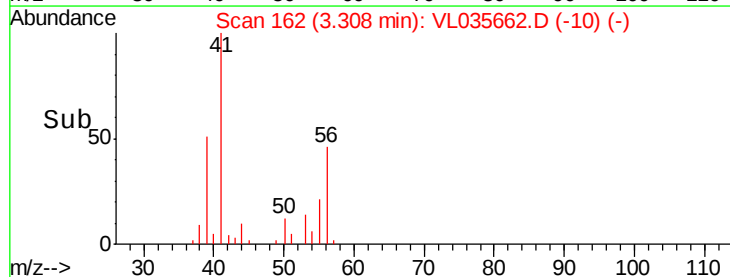
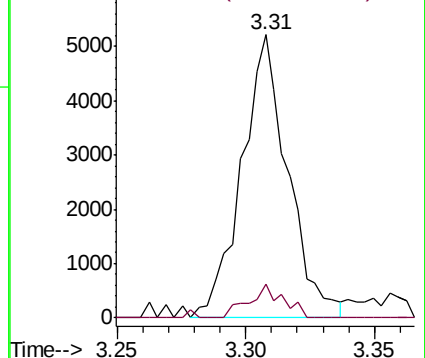
39 100

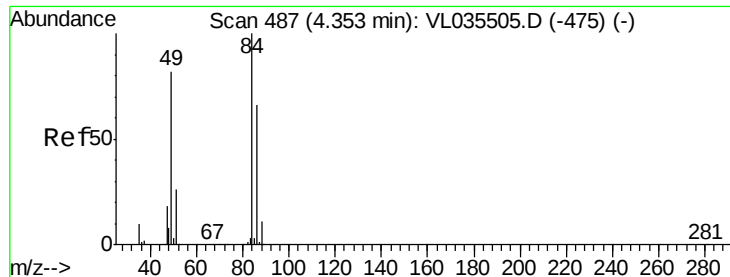
54 8.8 88.4 132.6#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

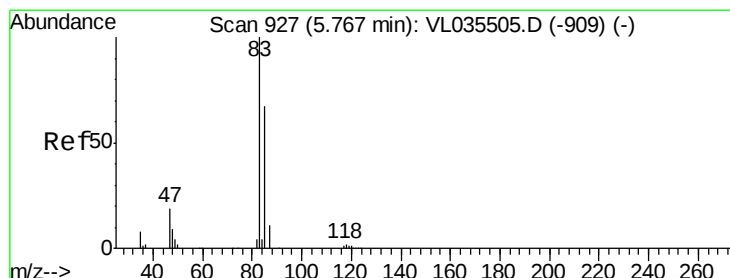
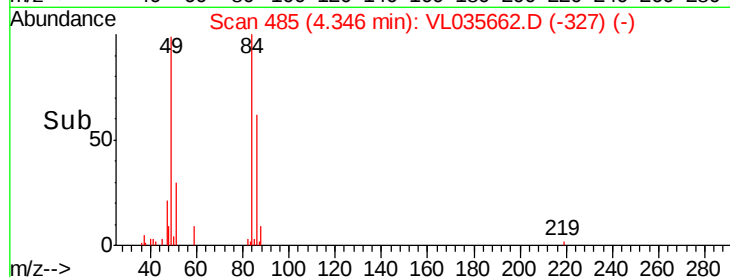
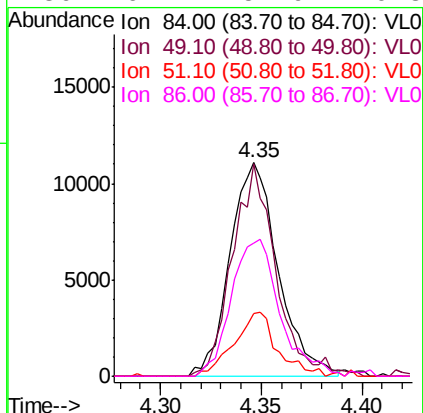
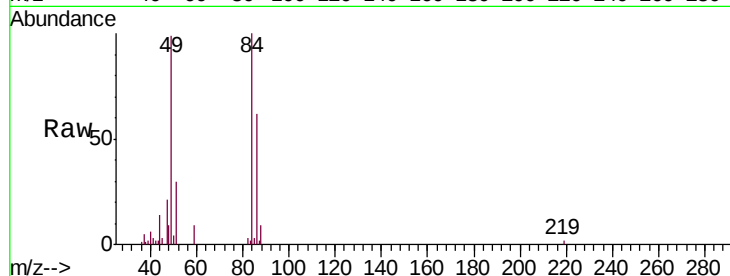




#20
Methylene Chloride
Concen: 0.197 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.01 min
Lab File: VL035662.D
Acq: 17 Sep 2020 18:44

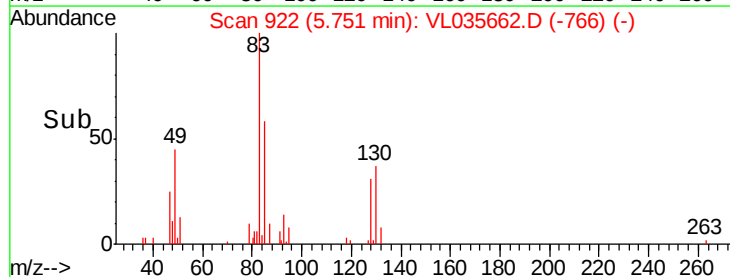
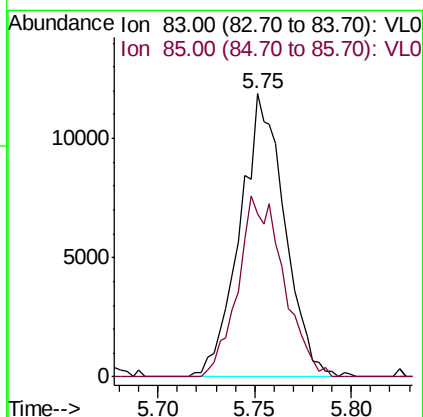
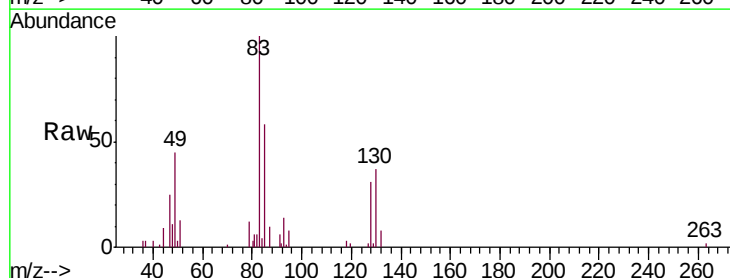
Instrument :
MSVOA_L
ClientSampleId :
SV-13DL2

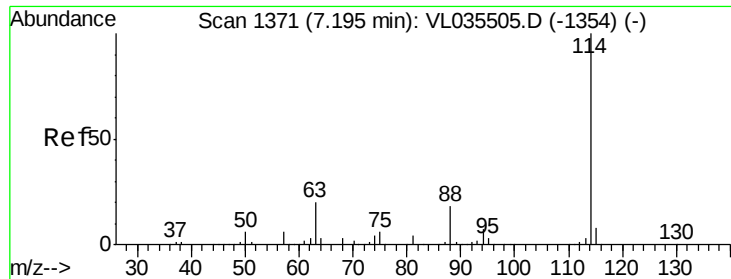
Tgt Ion:	84	Resp:	18532
Ion	Ratio	Lower	Upper
84	100		
49	99.2	65.4	98.0#
51	29.5	21.5	32.3
86	62.4	52.9	79.3



#29
Chloroform
Concen: 0.074 ppbv
RT: 5.75 min Scan# 922
Delta R.T. 0.00 min
Lab File: VL035662.D
Acq: 17 Sep 2020 18:44

Tgt Ion:	83	Resp:	19097
Ion	Ratio	Lower	Upper
83	100		
85	57.6	53.9	80.9

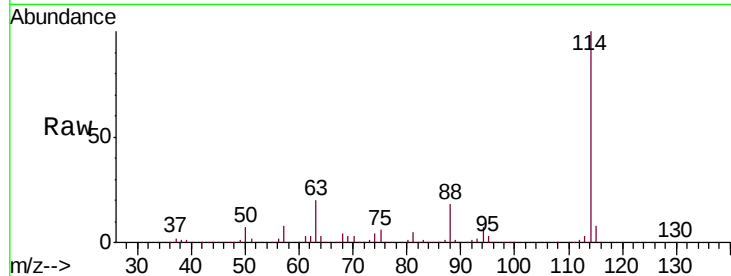




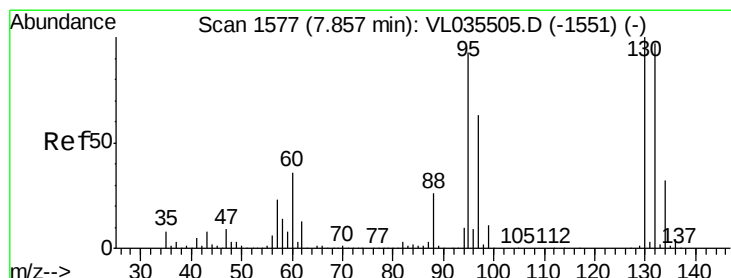
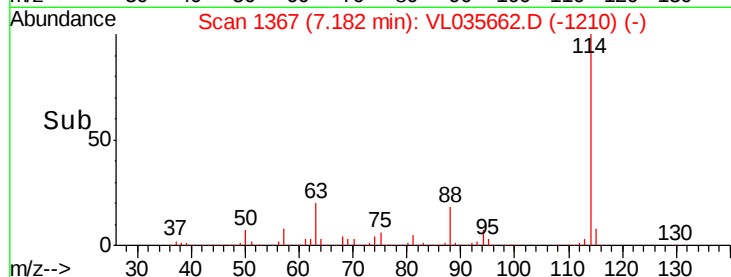
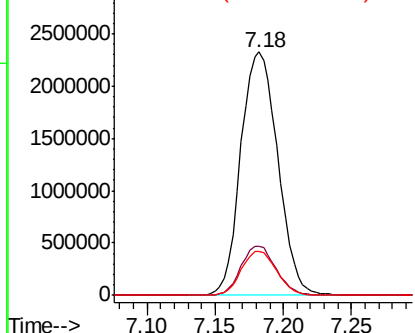
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.01 min
 Lab File: VL035662.D
 Acq: 17 Sep 2020 18:44

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-13DL2

Tgt Ion:114 Resp: 4388241
 Ion Ratio Lower Upper
 114 100
 63 19.3 14.7 22.1
 88 17.3 13.4 20.2

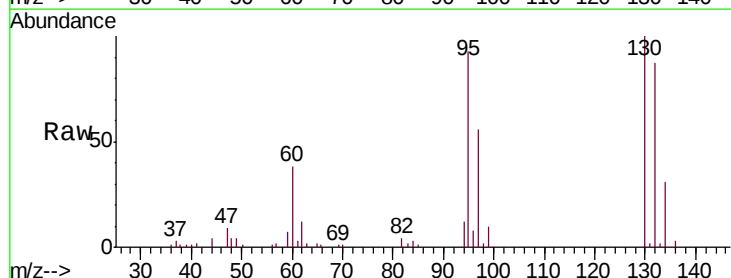


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

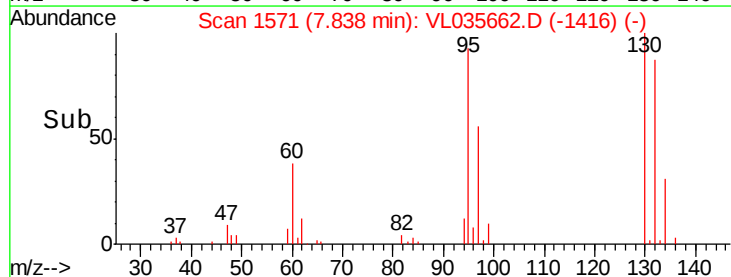
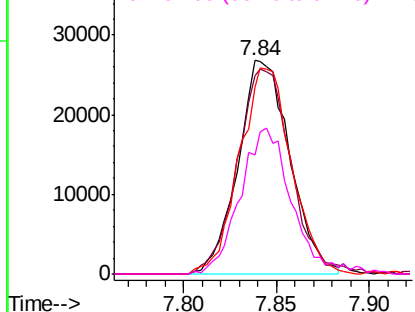


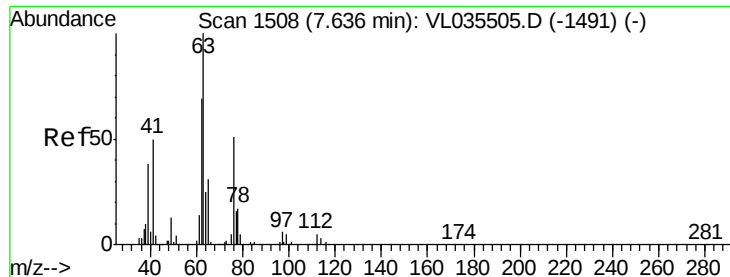
#38
 Trichloroethene
 Concen: 0.315 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VL035662.D
 Acq: 17 Sep 2020 18:44

Tgt Ion:130 Resp: 51931
 Ion Ratio Lower Upper
 130 100
 95 92.8 74.6 112.0
 132 87.4 77.6 116.4
 97 56.0 50.6 76.0



Abundance Ion 130.00 (129.70 to 130.70): V
 Ion 95.00 (94.70 to 95.70): VL0
 Ion 132.00 (131.70 to 132.70): V
 Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 8.767 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.43 min

Lab File: VL035662.D

Acq: 17 Sep 2020 18:44

Instrument :

MSVOA_L

ClientSampleId :

SV-13DL2

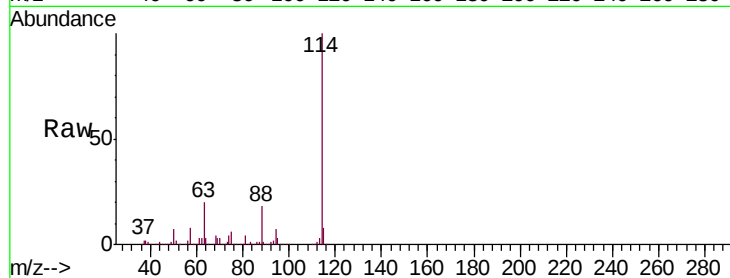
Tgt Ion: 63 Resp: 841214

Ion Ratio Lower Upper

63 100

41 0.0 40.0 60.0#

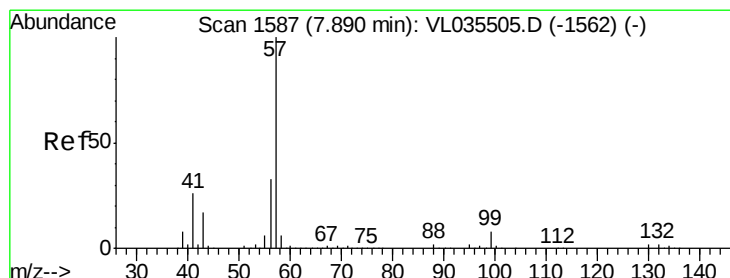
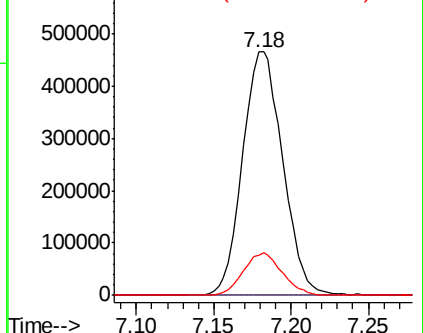
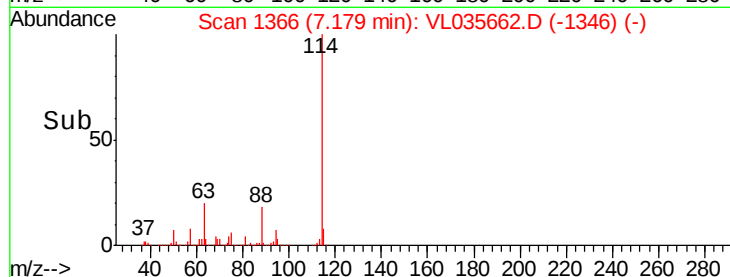
62 16.5 55.4 83.0#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.087 ppbv

RT: 7.88 min Scan# 1584

Delta R.T. 0.01 min

Lab File: VL035662.D

Acq: 17 Sep 2020 18:44

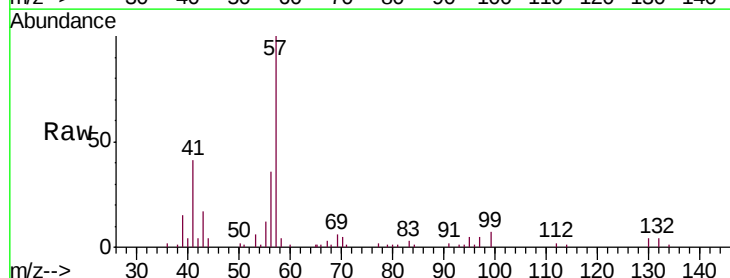
Tgt Ion: 57 Resp: 32666

Ion Ratio Lower Upper

57 100

41 63.7 20.5 30.7#

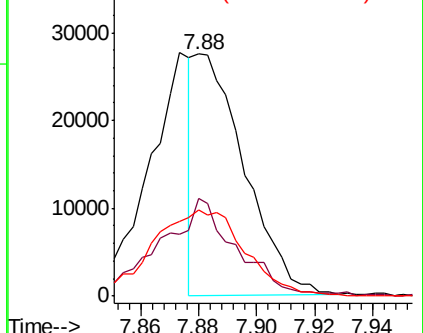
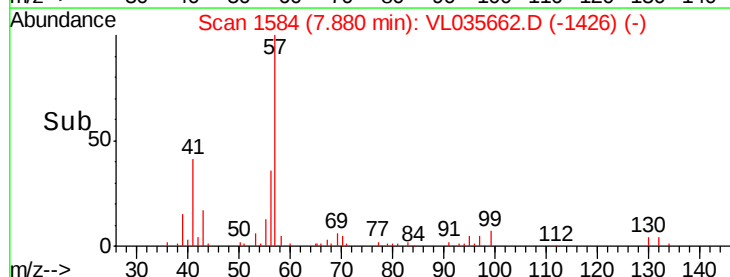
56 67.1 25.3 37.9#

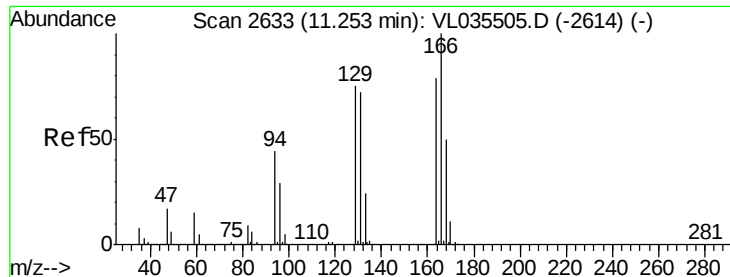


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#52

Tetrachloroethene

Concen: 17.499 ppbv

RT: 11.24 min Scan# 2629

Delta R.T. 0.01 min

Lab File: VL035662.D

Acq: 17 Sep 2020 18:44

Instrument :

MSVOA_L

ClientSampleId :

SV-13DL2

Tgt Ion:164 Resp: 2903834

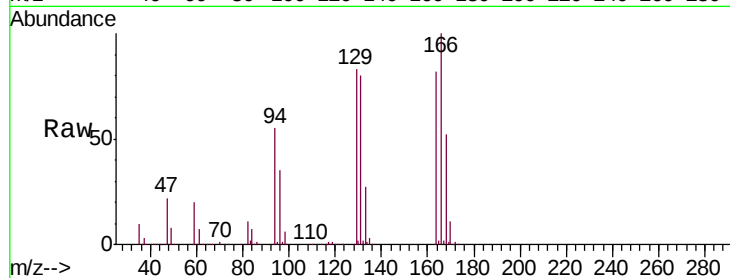
Ion Ratio Lower Upper

164 100

166 122.5 100.9 151.3

129 101.6 75.3 112.9

131 98.4 73.0 109.4

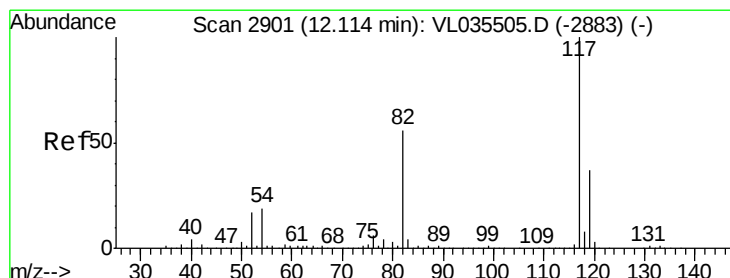
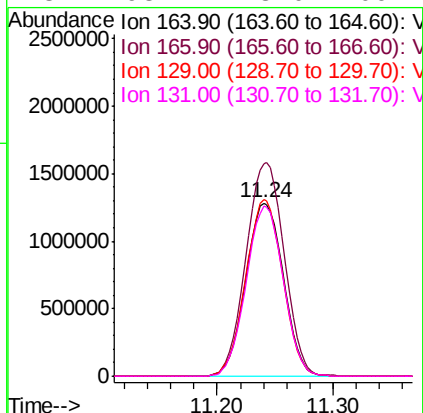
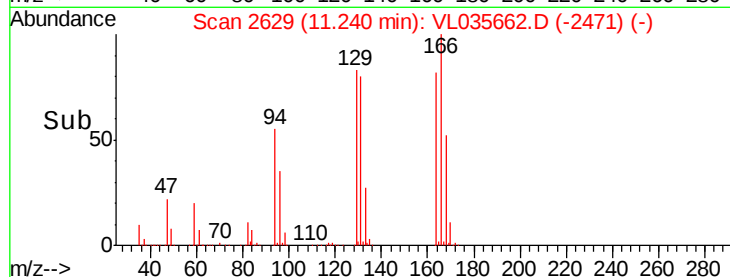


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. 0.01 min

Lab File: VL035662.D

Acq: 17 Sep 2020 18:44

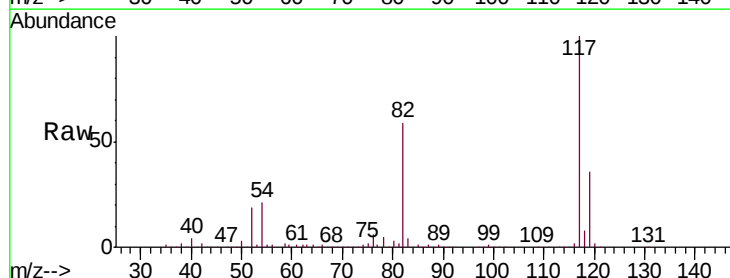
Tgt Ion:117 Resp: 4333711

Ion Ratio Lower Upper

117 100

82 57.5 41.6 62.4

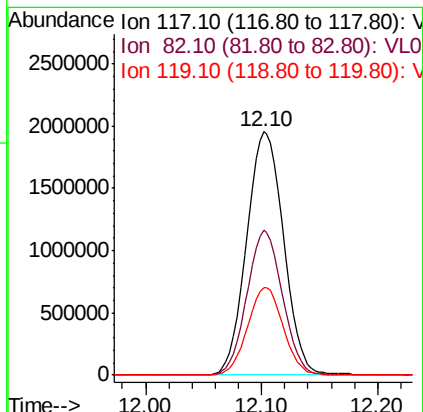
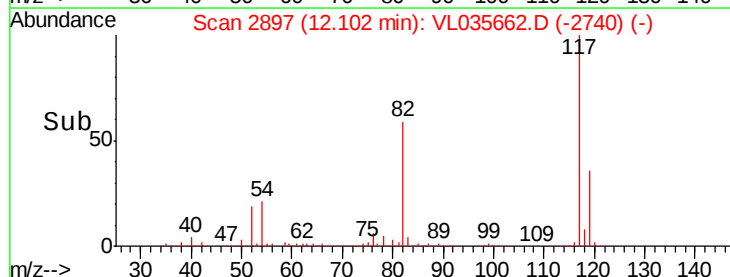
119 34.9 29.3 43.9

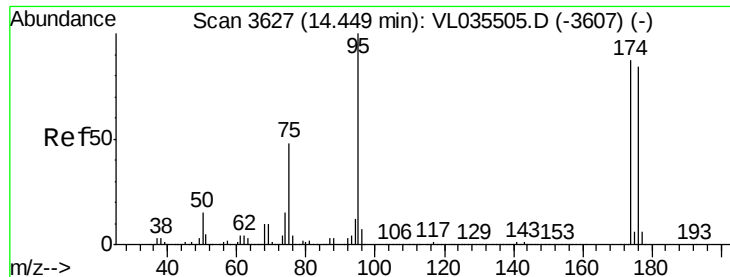


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.356 ppbv
 RT: 14.44 min Scan# 3623
 Delta R.T. 0.01 min
 Lab File: VL035662.D
 Acq: 17 Sep 2020 18:44

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-13DL2

Tgt Ion: 95 Resp: 3187280
 Ion Ratio Lower Upper
 95 100
 174 78.7 69.6 104.4
 175 5.6 5.1 7.7

