

Data File : VL035678.D
Acq On : 18 Sep 2020 9:28
Operator : SY/AP
Sample : L3983-05DL2 1200X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV-11ADL2

Quant Time: Sep 18 14:32:35 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	5.67	49	1013256	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3921594	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3882467	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2812831	10.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

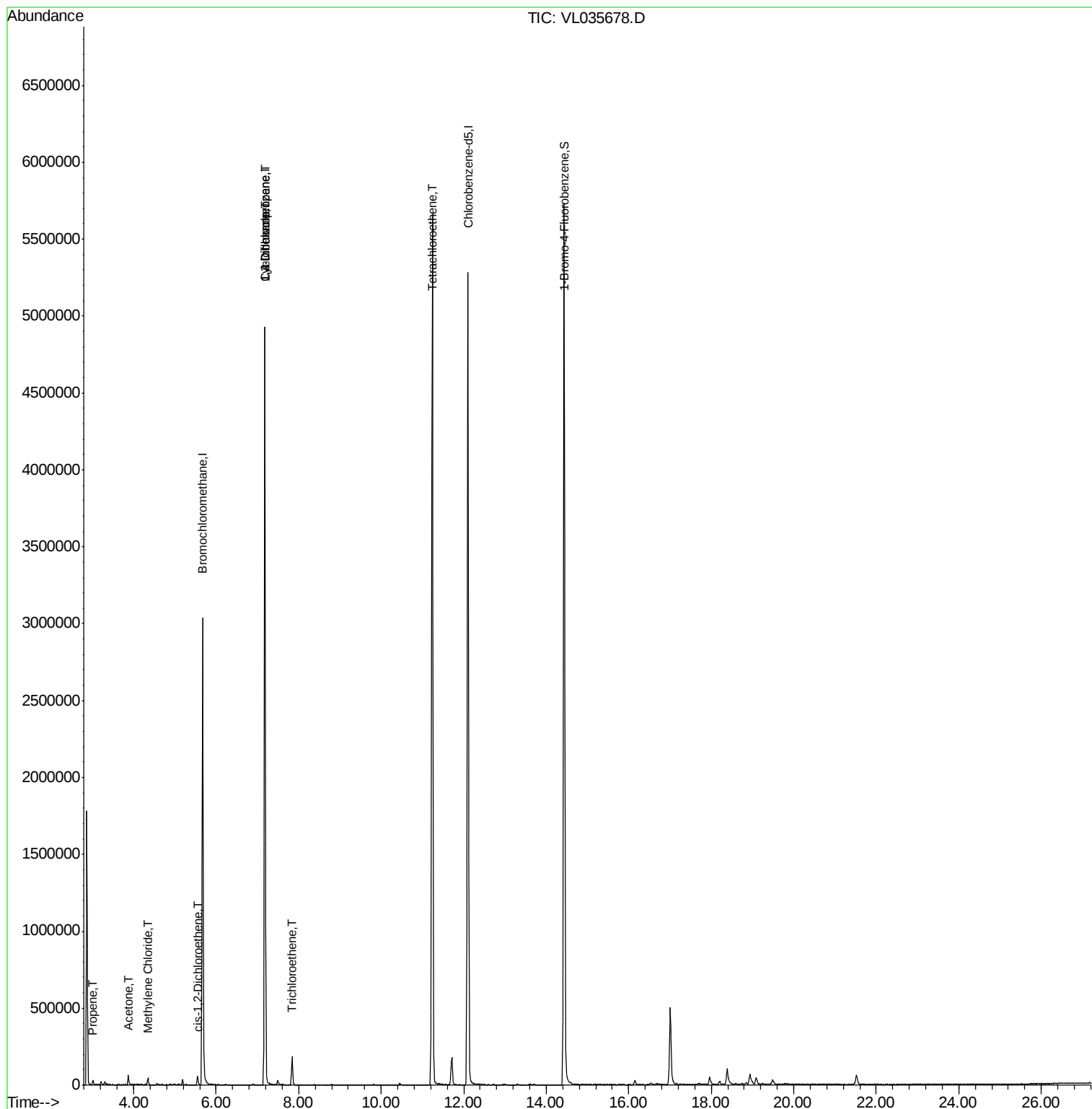
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.01	41	12002	0.278	ppbv	92
15) Acetone	3.87	43	47294	0.423	ppbv #	79
20) Methylene Chloride	4.34	84	19429	0.233	ppbv #	93
30) Cyclohexane	7.17	84	7737	0.065	ppbv #	1
31) cis-1,2-Dichloroethene	5.55	61	14377	0.125	ppbv	92
38) Trichloroethene	7.84	130	66434	0.451	ppbv	99
39) 1,2-Dichloropropane	7.18	63	739389	8.622	ppbv #	33
52) Tetrachloroethene	11.24	164	1568529	10.577	ppbv	97

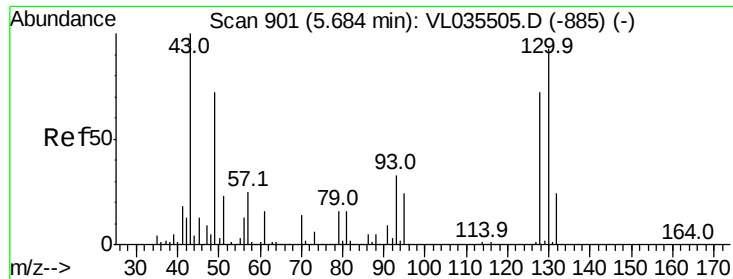
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

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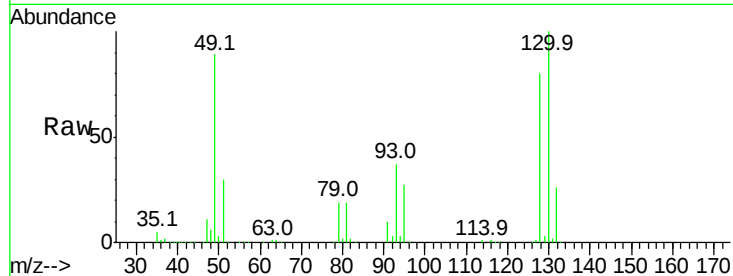
Tgt Ion: 49 Resp: 1013256

Ion Ratio Lower Upper

49 100

128 88.7 50.0 150.1

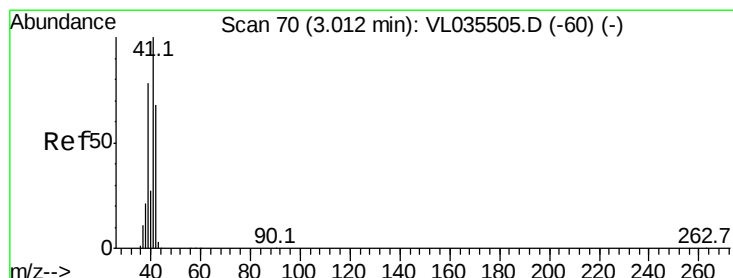
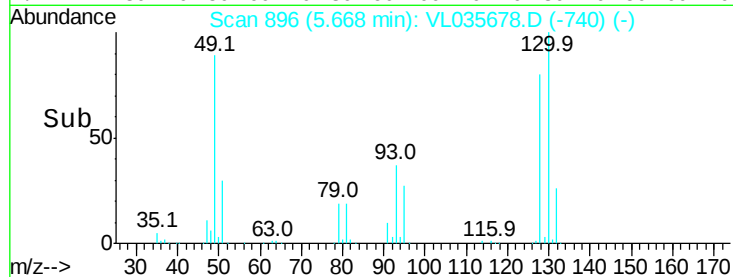
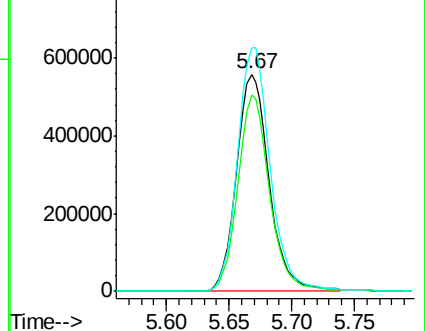
130 114.2 64.4 193.2



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



#9

Propene

Concen: 0.278 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.02 min

Lab File: VL035678.D

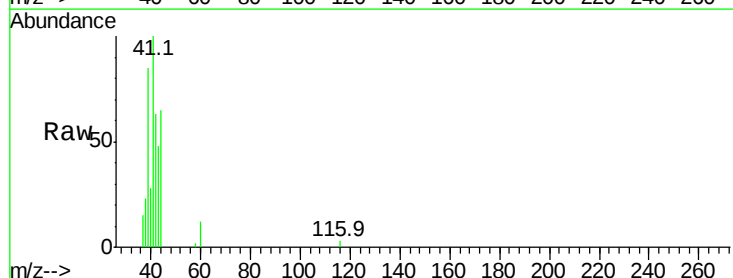
Acq: 18 Sep 2020 9:28

Tgt Ion: 41 Resp: 12002

Ion Ratio Lower Upper

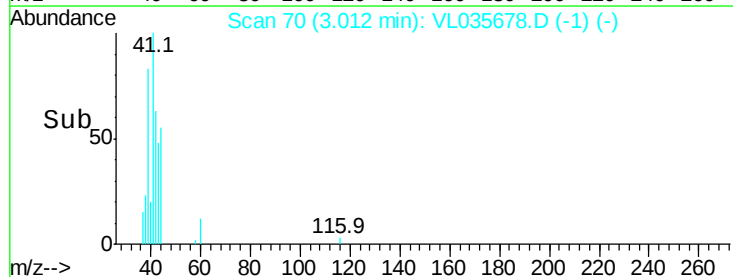
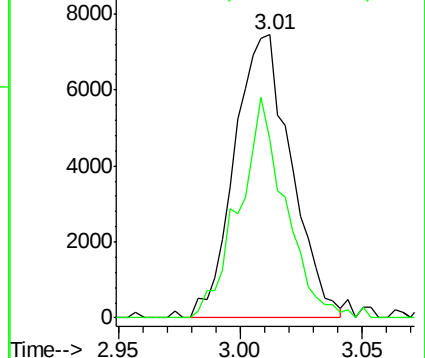
41 100

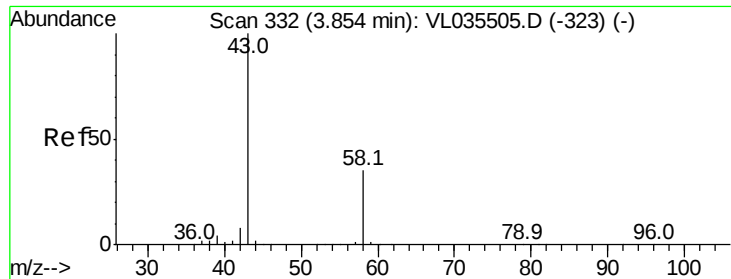
42 64.1 56.3 84.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.423 ppbv

RT: 3.87 min Scan# 337

Delta R.T. 0.03 min

Lab File: VL035678.D

Acq: 18 Sep 2020 9:28

Instrument :

MSVOA_L

ClientSampleId :

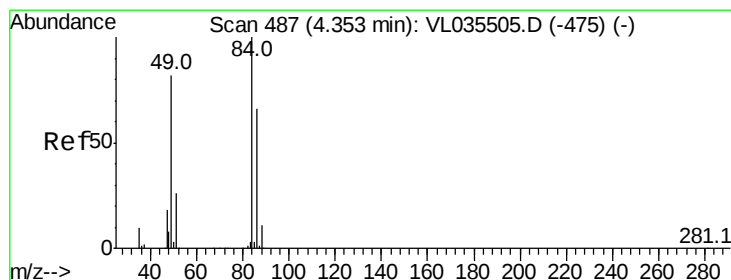
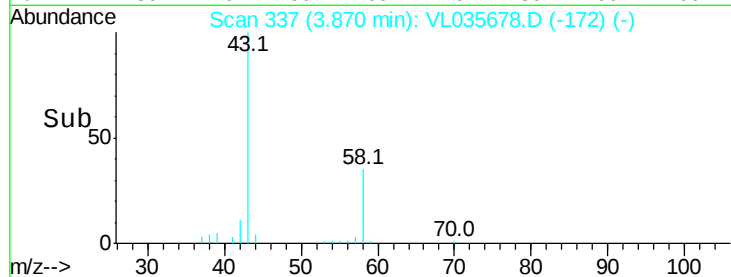
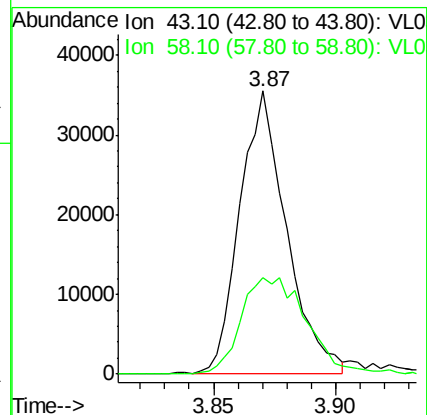
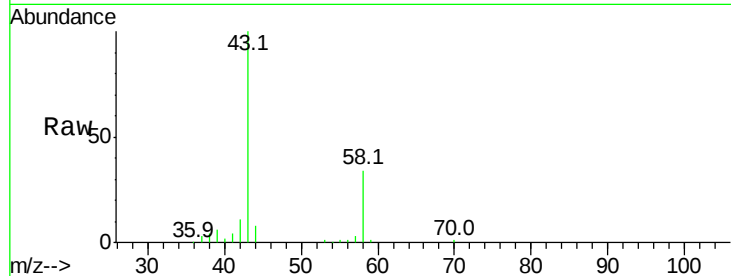
SV-11ADL2

Tgt Ion: 43 Resp: 47294

Ion Ratio Lower Upper

43 100

58 47.6 28.4 42.6#



#20

Methylene Chloride

Concen: 0.233 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.01 min

Lab File: VL035678.D

Acq: 18 Sep 2020 9:28

Tgt Ion: 84 Resp: 19429

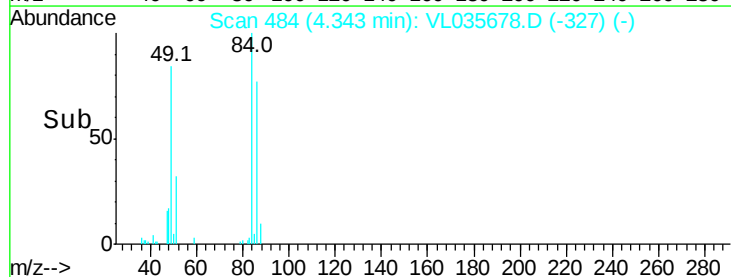
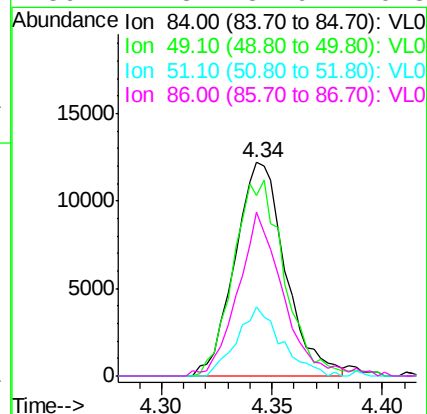
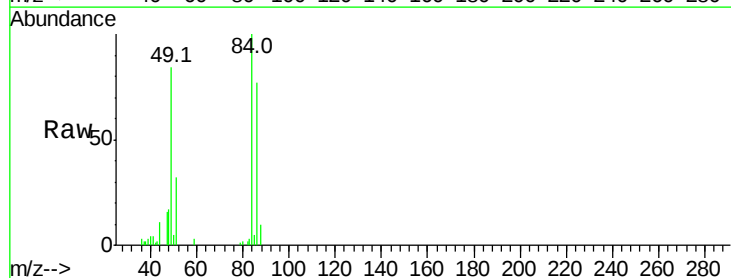
Ion Ratio Lower Upper

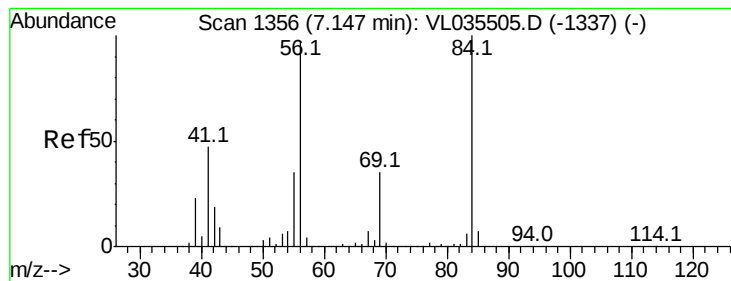
84 100

49 84.4 65.4 98.0

51 32.4 21.5 32.3#

86 74.3 52.9 79.3





#30

Cyclohexane

Concen: 0.065 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. 0.04 min

Lab File: VL035678.D

Acq: 18 Sep 2020 9:28

Instrument :

MSVOA_L

ClientSampleId :

SV-11ADL2

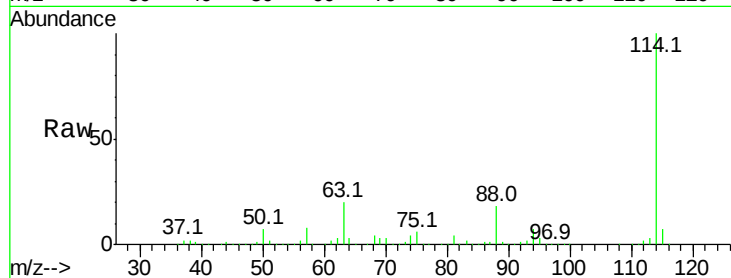
Tgt Ion: 84 Resp: 7737

Ion Ratio Lower Upper

84 100

56 863.5 80.1 120.1#

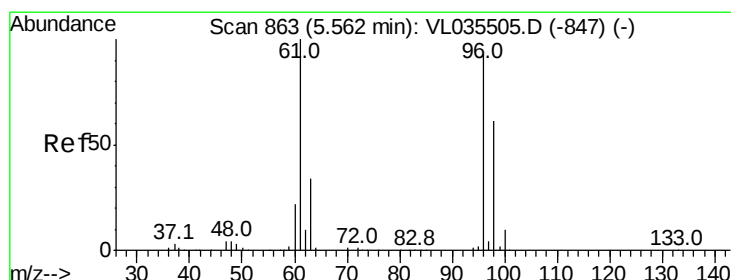
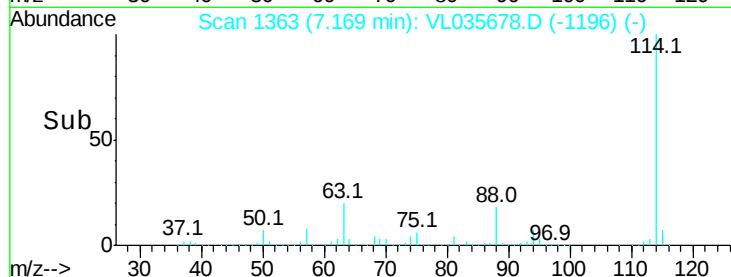
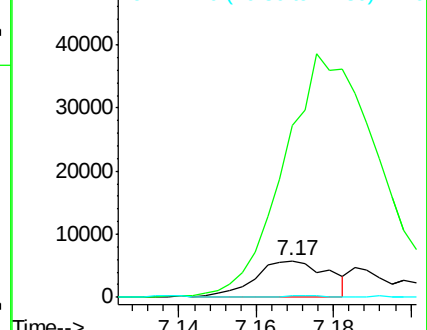
41 0.0 38.1 57.1#



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



#31

cis-1,2-Dichloroethene

Concen: 0.125 ppbv

RT: 5.55 min Scan# 858

Delta R.T. -0.00 min

Lab File: VL035678.D

Acq: 18 Sep 2020 9:28

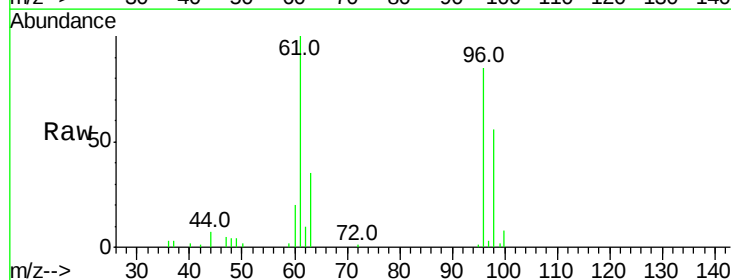
Tgt Ion: 61 Resp: 14377

Ion Ratio Lower Upper

61 100

96 84.5 74.4 111.6

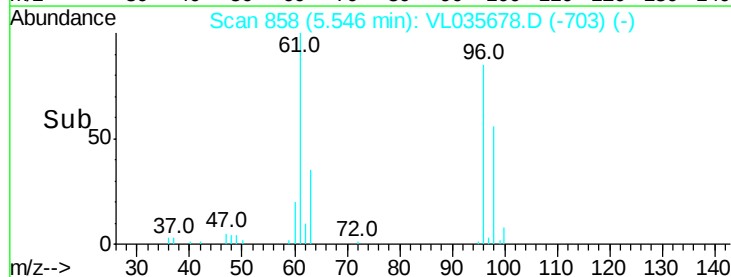
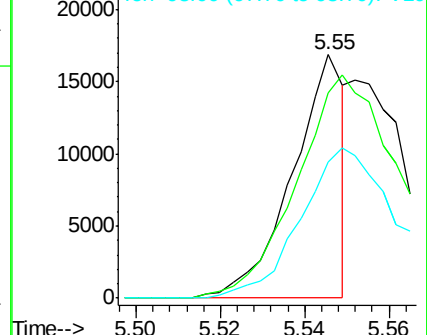
98 55.8 49.2 73.8

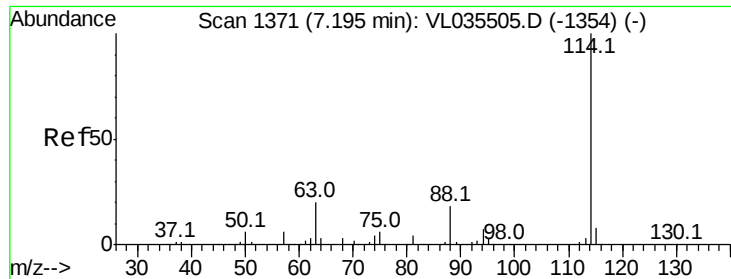


Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0

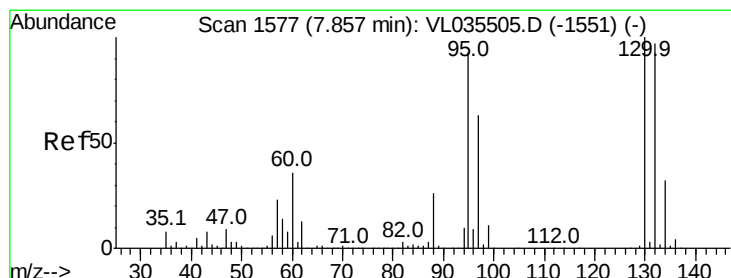
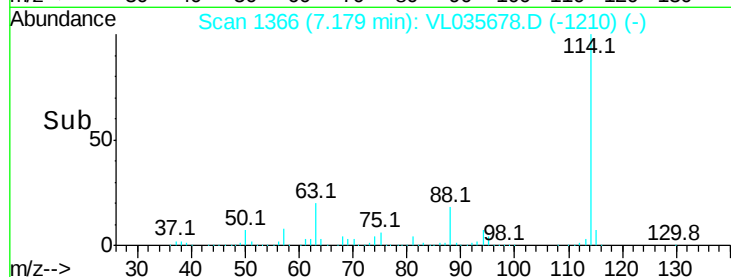
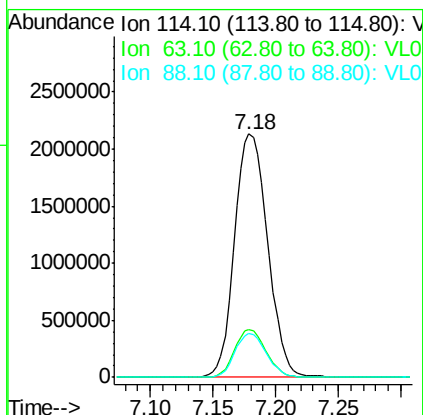
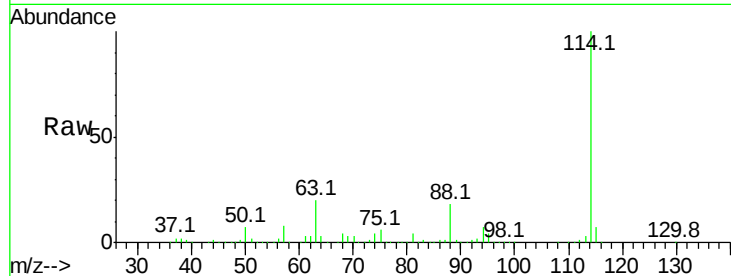




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.00 min
 Lab File: VL035678.D
 Acq: 18 Sep 2020 9:28

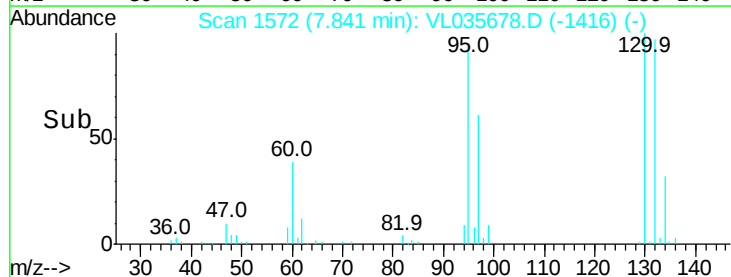
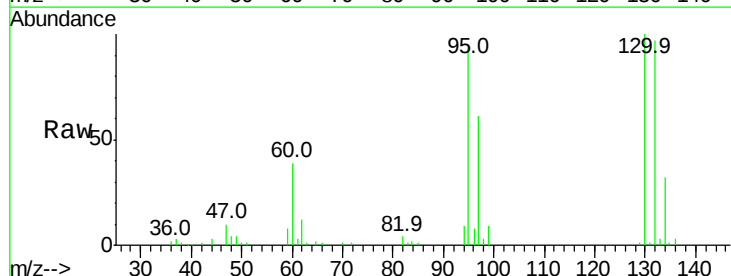
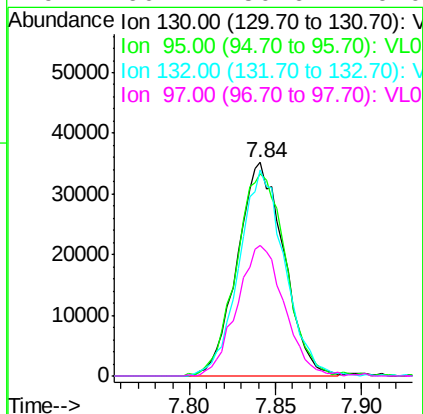
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-11ADL2

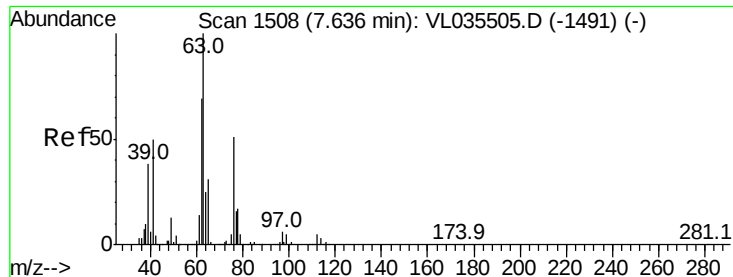
Tgt Ion:114 Resp: 3921594
 Ion Ratio Lower Upper
 114 100
 63 18.9 14.7 22.1
 88 17.1 13.4 20.2



#38
 Trichloroethene
 Concen: 0.451 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VL035678.D
 Acq: 18 Sep 2020 9:28

Tgt Ion:130 Resp: 66434
 Ion Ratio Lower Upper
 130 100
 95 93.1 74.6 112.0
 132 96.6 77.6 116.4
 97 60.2 50.6 76.0





#39

1,2-Dichloropropane

Concen: 8.622 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.43 min

Lab File: VL035678.D

Acq: 18 Sep 2020 9:28

Instrument :

MSVOA_L

ClientSampleId :

SV-11ADL2

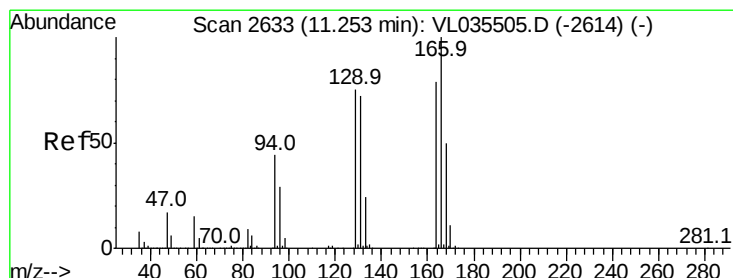
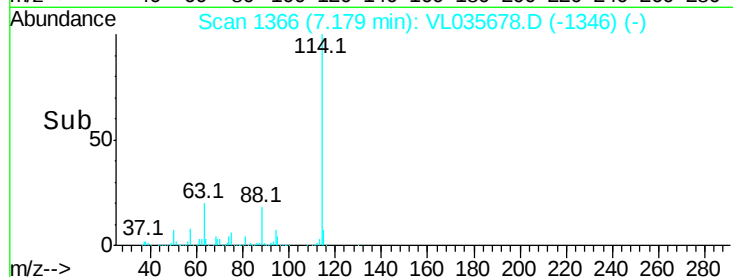
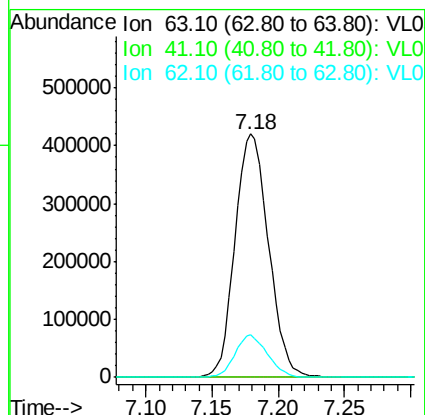
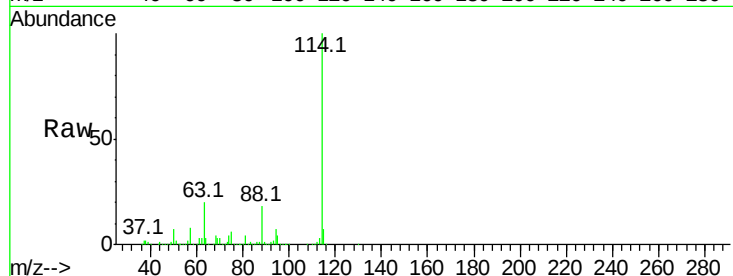
Tgt Ion: 63 Resp: 739389

Ion Ratio Lower Upper

63 100

41 0.0 40.0 60.0#

62 17.6 55.4 83.0#



#52

Tetrachloroethene

Concen: 10.577 ppbv

RT: 11.24 min Scan# 2629

Delta R.T. 0.01 min

Lab File: VL035678.D

Acq: 18 Sep 2020 9:28

Tgt Ion: 164 Resp: 1568529

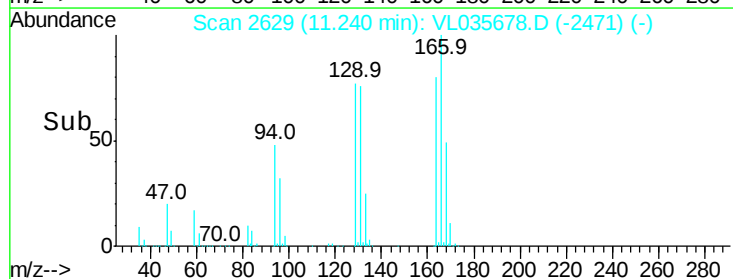
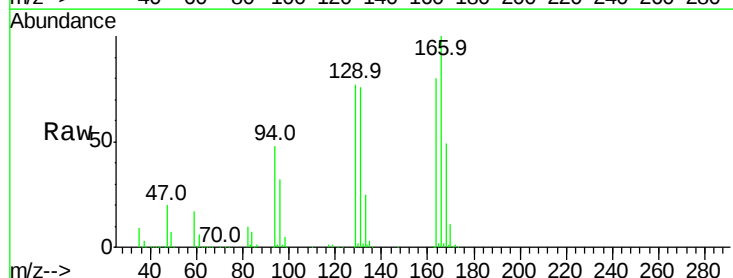
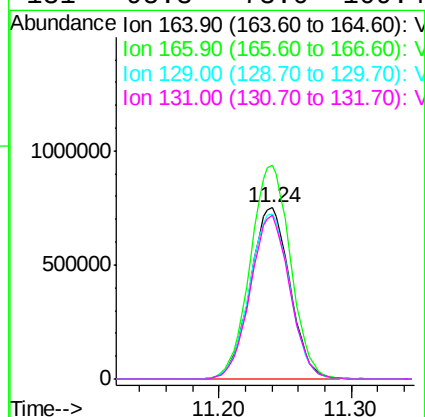
Ion Ratio Lower Upper

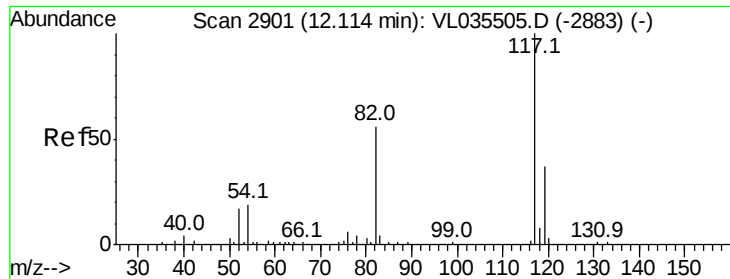
164 100

166 124.7 100.9 151.3

129 96.4 75.3 112.9

131 95.3 73.0 109.4



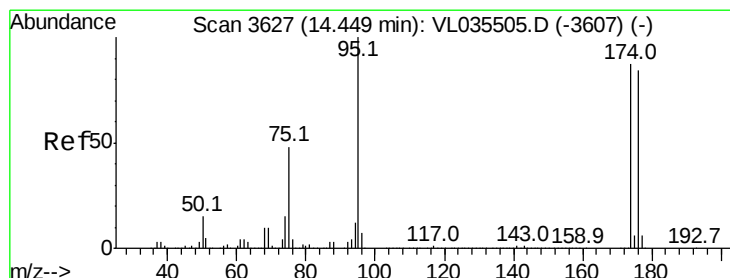
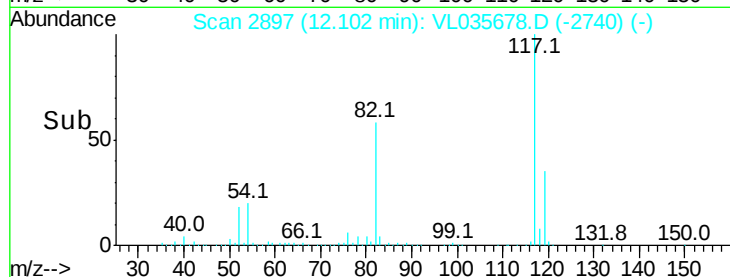
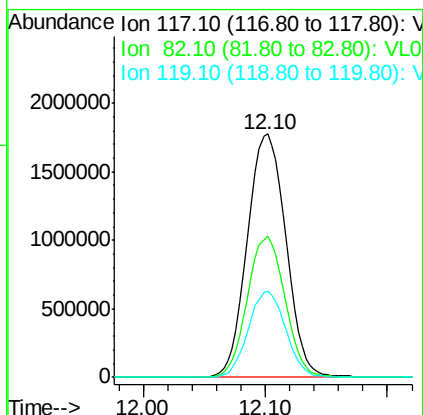
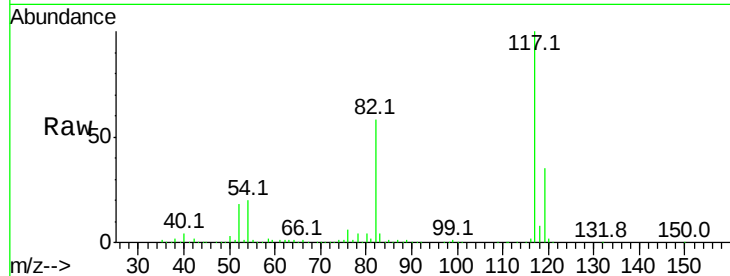


#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min Scan# 2897
 Delta R.T. 0.01 min
 Lab File: VL035678.D
 Acq: 18 Sep 2020 9:28

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-11ADL2

Tgt Ion: 117 Resp: 3882467

Ion	Ratio	Lower	Upper
117	100		
82	56.9	41.6	62.4
119	34.5	29.3	43.9



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.202 ppbv
 RT: 14.43 min Scan# 3622
 Delta R.T. 0.00 min
 Lab File: VL035678.D
 Acq: 18 Sep 2020 9:28

Tgt Ion: 95 Resp: 2812831

Ion	Ratio	Lower	Upper
95	100		
174	79.5	69.6	104.4
175	5.7	5.1	7.7

