

Data File : VL035676.D
Acq On : 18 Sep 2020 3:41
Operator : SY/AP
Sample : L4026-01DL2 800X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV-13DL

Quant Time: Sep 18 05:39:29 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	1052076	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4089100	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	4058413	10.00	ppbv	0.01

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.44 95 2955540 10.25 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 102.50%

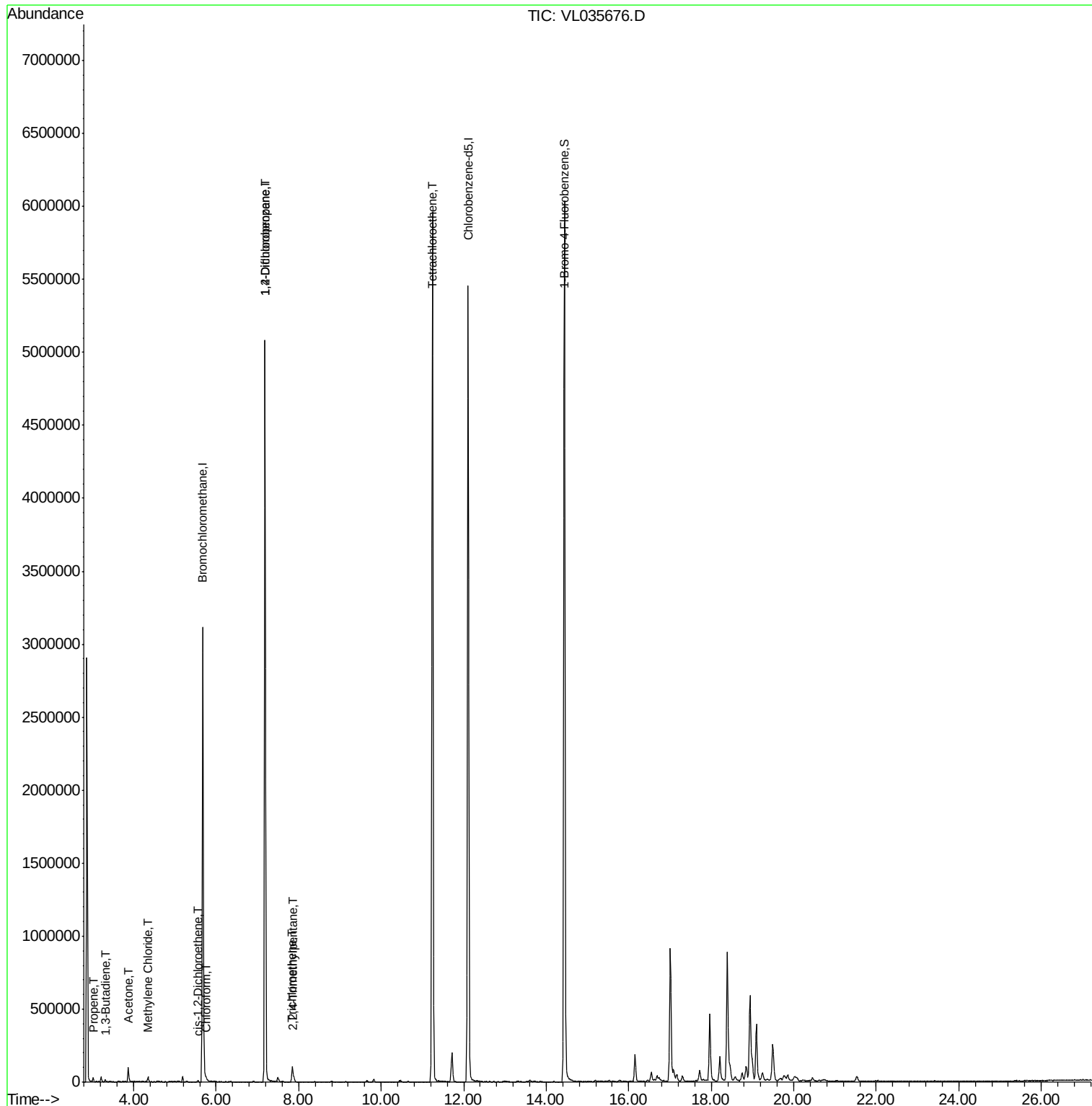
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.02	41	7991	0.178	ppbv #	78
15) Acetone	3.87	43	89151	0.768	ppbv #	87
16) 1,3-Butadiene	3.31	39	3646	0.084	ppbv #	4
20) Methylene Chloride	4.35	84	15181	0.176	ppbv #	89
29) Chloroform	5.76	83	10593	0.045	ppbv	85
31) cis-1,2-Dichloroethene	5.56	61	3996	0.034	ppbv #	75
38) Trichloroethene	7.85	130	22407	0.146	ppbv	98
39) 1,2-Dichloropropane	7.19	63	779206	8.714	ppbv #	32
44) 2,2,4-Trimethylpentane	7.88	57	28789	0.083	ppbv #	85
52) Tetrachloroethene	11.25	164	1676588	10.842	ppbv	97

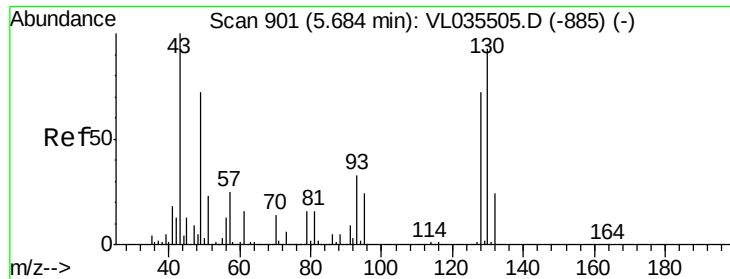
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.01 min

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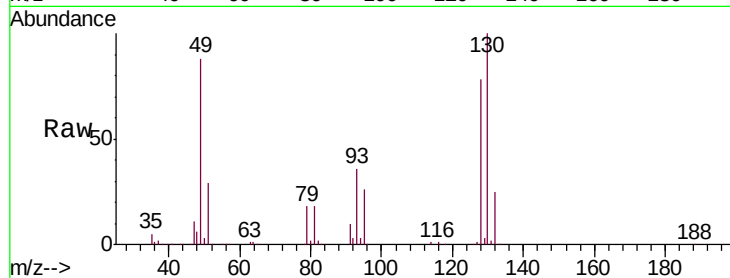
Tgt Ion: 49 Resp: 1052076

Ion Ratio Lower Upper

49 100

128 88.8 50.0 150.1

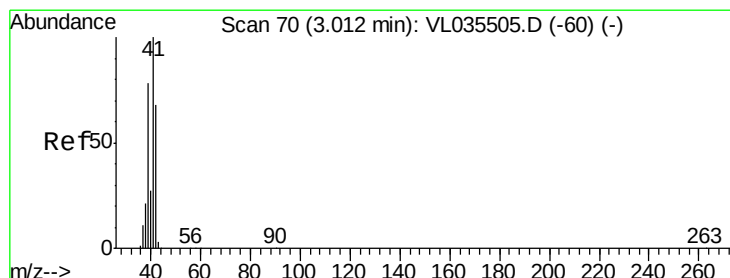
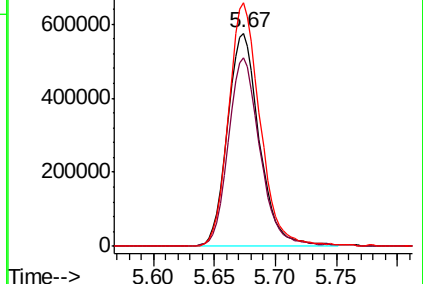
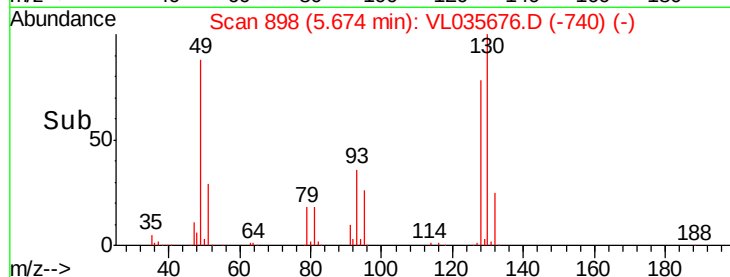
130 113.5 64.4 193.2



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.178 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.02 min

Lab File: VL035676.D

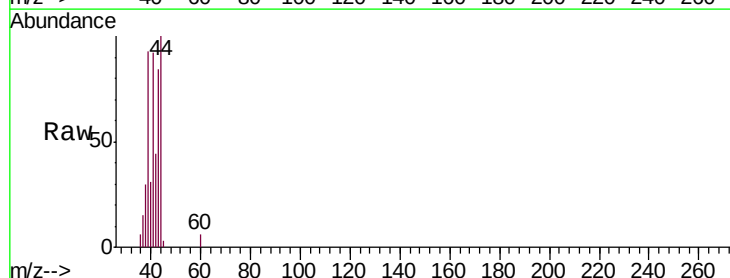
Acq: 18 Sep 2020 3:41

Tgt Ion: 41 Resp: 7991

Ion Ratio Lower Upper

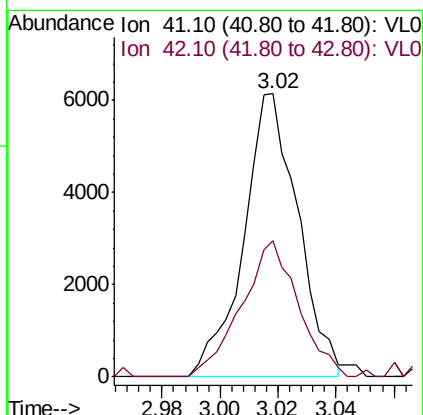
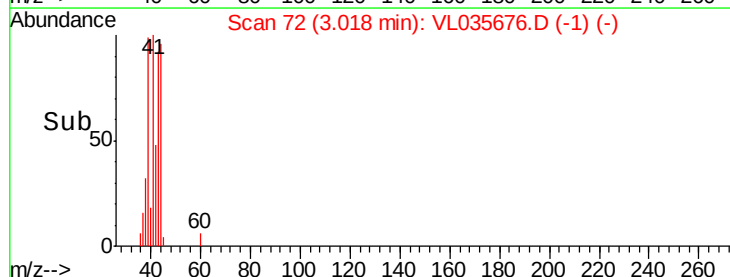
41 100

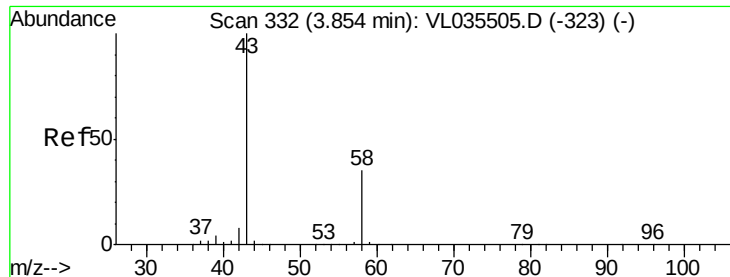
42 52.2 56.3 84.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.768 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.03 min

Lab File: VL035676.D

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ClientSampleId :

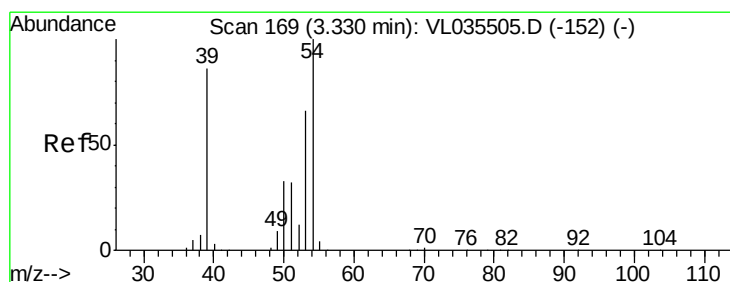
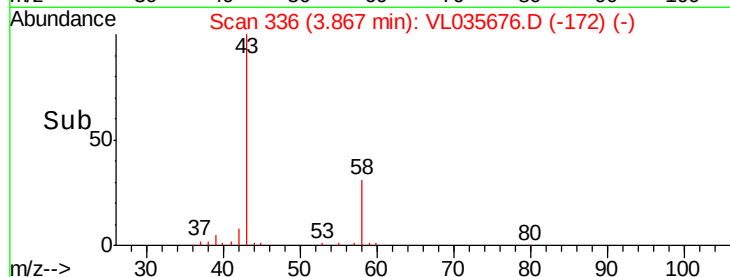
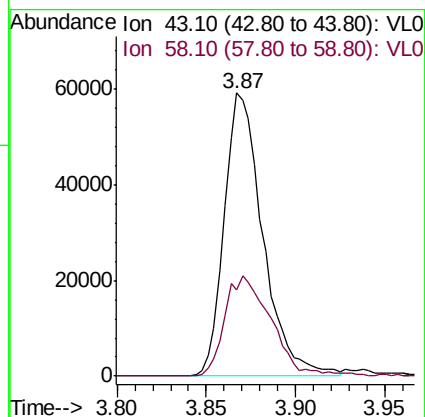
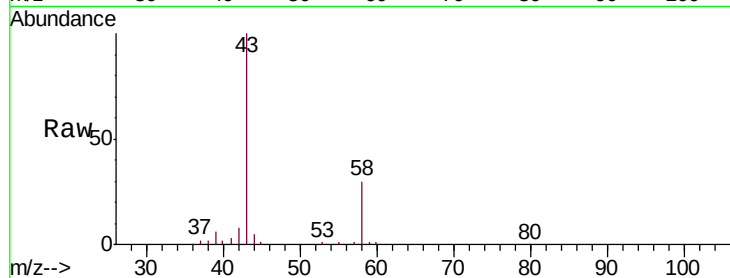
SV-13DL

Tgt Ion: 43 Resp: 89151

Ion Ratio Lower Upper

43 100

58 42.9 28.4 42.6#



#16

1,3-Butadiene

Concen: 0.084 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.01 min

Lab File: VL035676.D

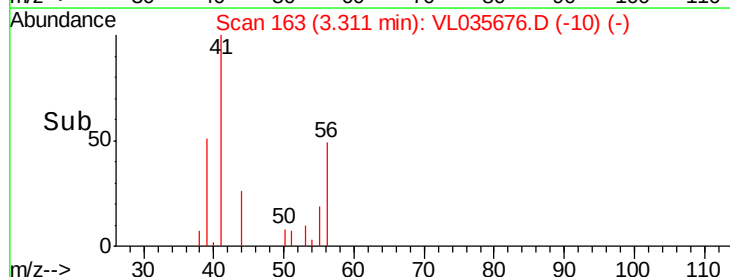
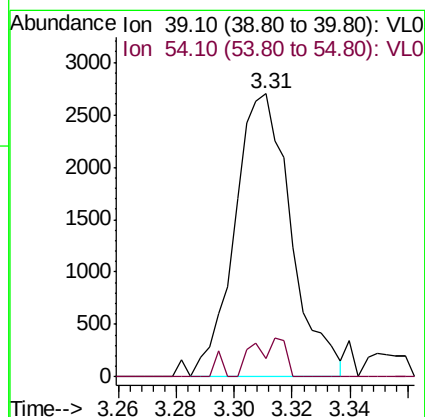
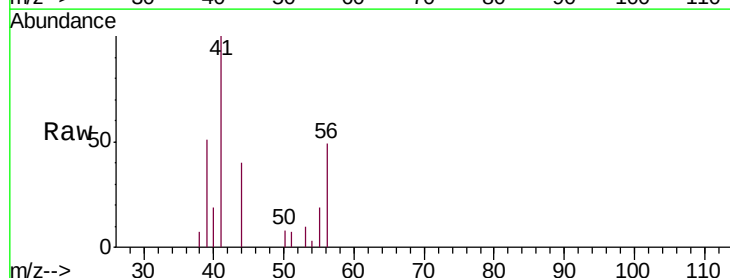
Acq: 18 Sep 2020 3:41

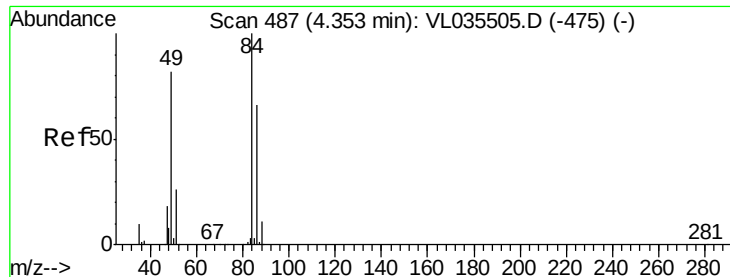
Tgt Ion: 39 Resp: 3646

Ion Ratio Lower Upper

39 100

54 9.1 88.4 132.6#

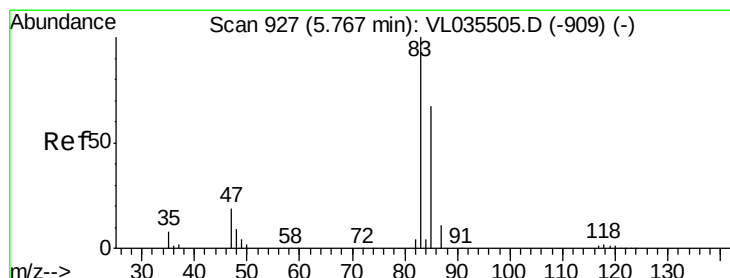
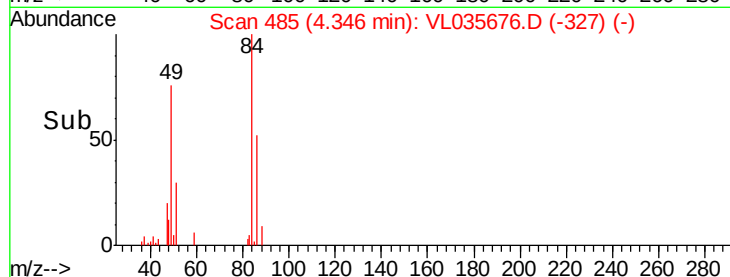
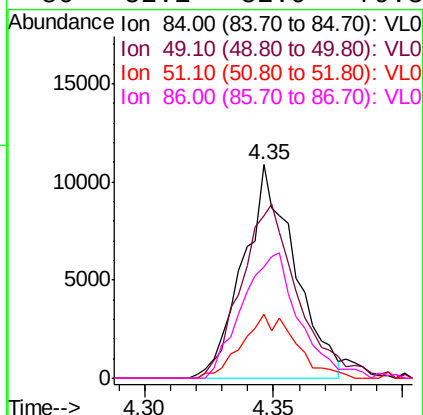
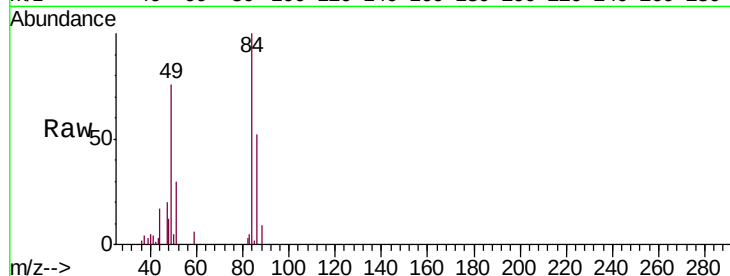




#20
Methylene Chloride
Concen: 0.176 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.01 min
Lab File: VL035676.D
Acq: 18 Sep 2020 3:41

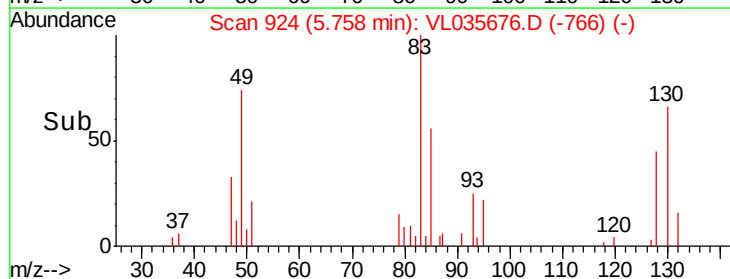
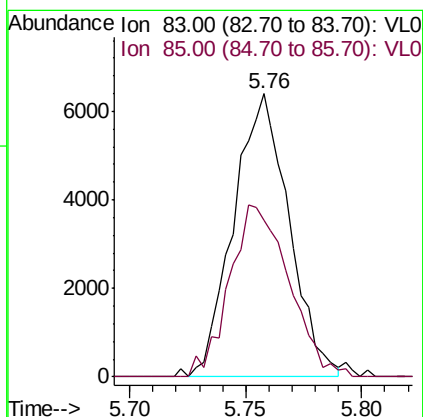
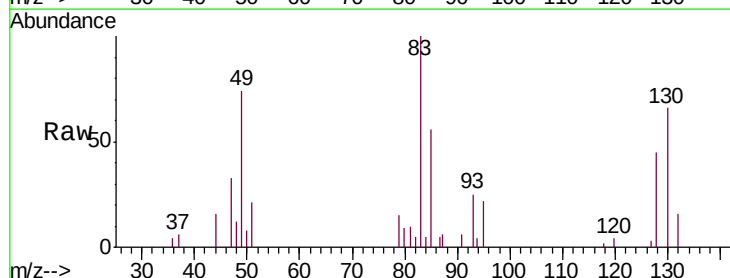
Instrument :
MSVOA_L
ClientSampleId :
SV-13DL

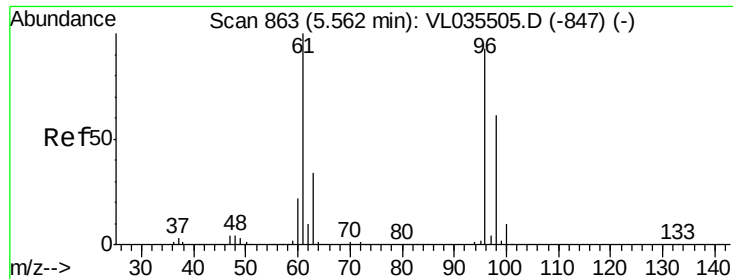
Tgt Ion:	84	Resp:	15181
Ion	Ratio	Lower	Upper
84	100		
49	75.9	65.4	98.0
51	29.8	21.5	32.3
86	52.1	52.9	79.3#



#29
Chloroform
Concen: 0.045 ppbv
RT: 5.76 min Scan# 924
Delta R.T. 0.01 min
Lab File: VL035676.D
Acq: 18 Sep 2020 3:41

Tgt Ion:	83	Resp:	10593
Ion	Ratio	Lower	Upper
83	100		
85	55.5	53.9	80.9



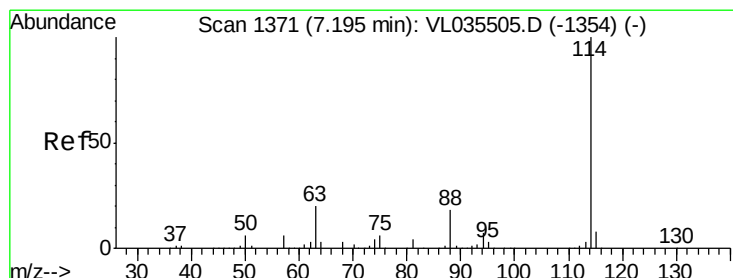
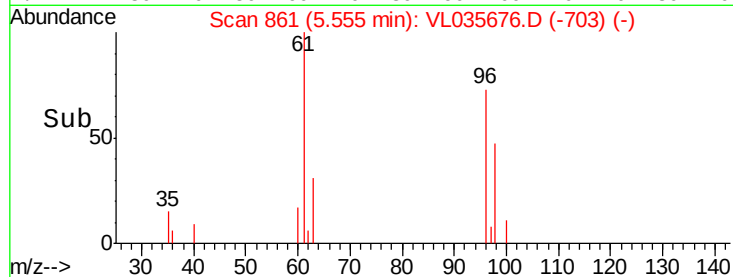
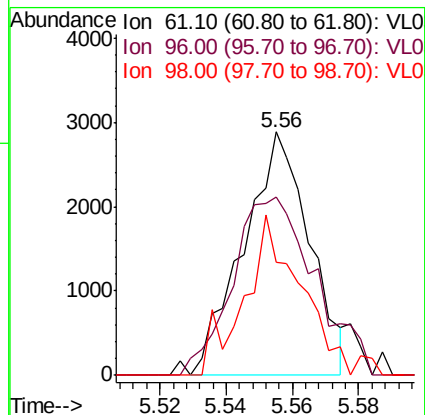
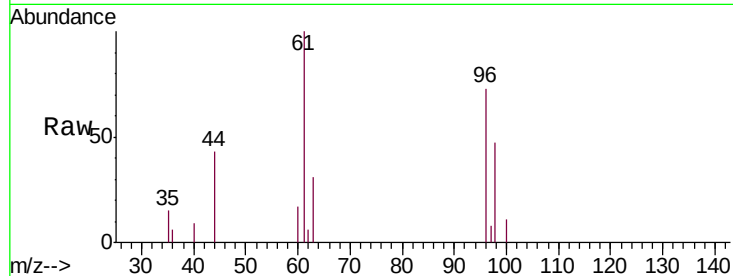


#31

cis-1,2-Dichloroethene
Concen: 0.034 ppbv
RT: 5.56 min Scan# 861
Delta R.T. 0.01 min
Lab File: VL035676.D
Acq: 18 Sep 2020 3:41

Instrument :
MSVOA_L
ClientSampleId :
SV-13DL

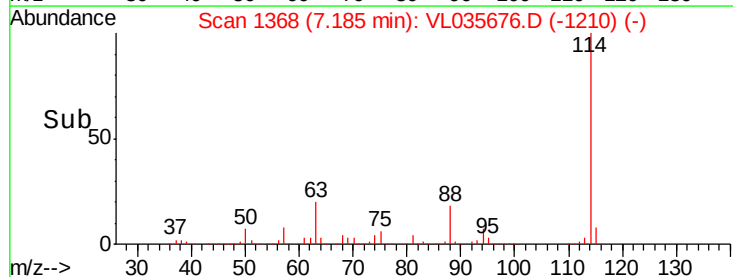
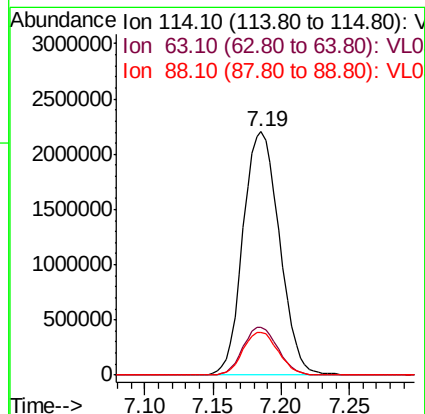
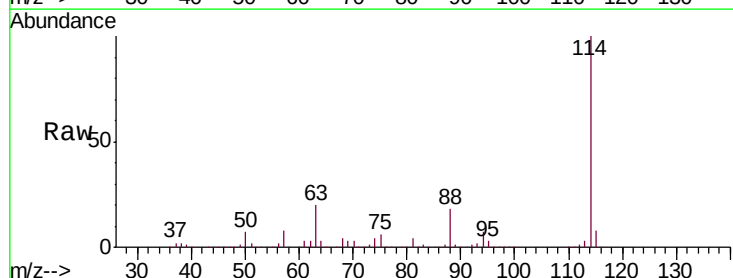
Tgt Ion: 61 Resp: 3996
Ion Ratio Lower Upper
61 100
96 66.2 74.4 111.6#
98 46.6 49.2 73.8#

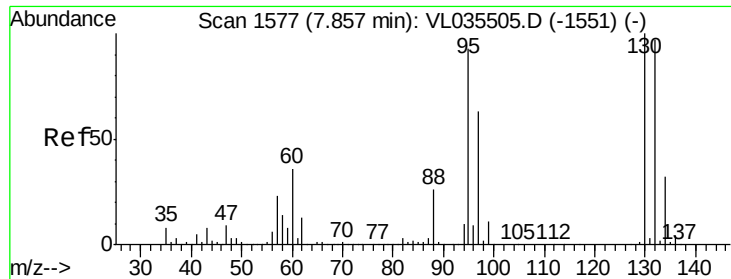


#33

1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VL035676.D
Acq: 18 Sep 2020 3:41

Tgt Ion: 114 Resp: 4089100
Ion Ratio Lower Upper
114 100
63 19.1 14.7 22.1
88 17.2 13.4 20.2

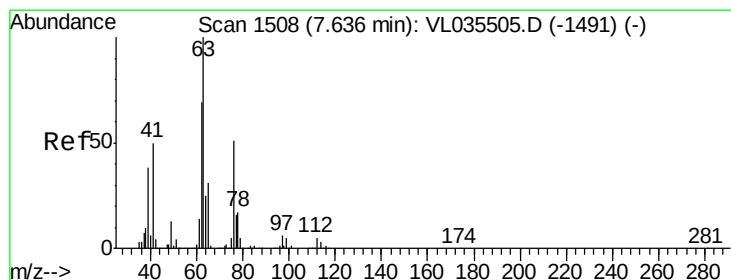
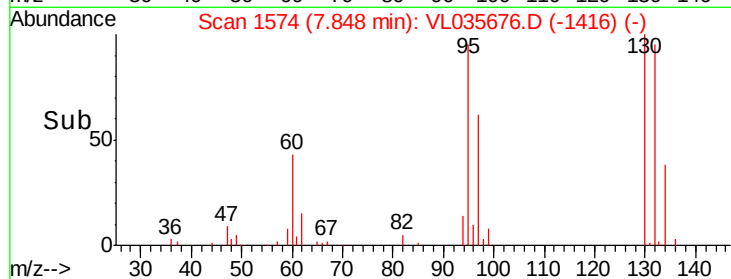
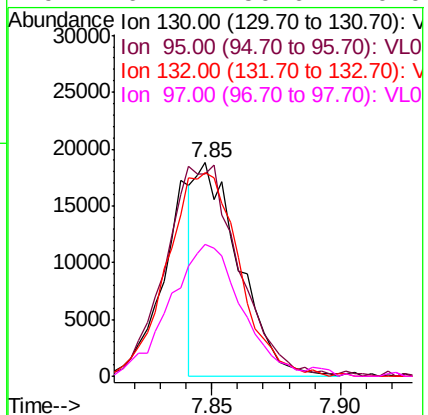
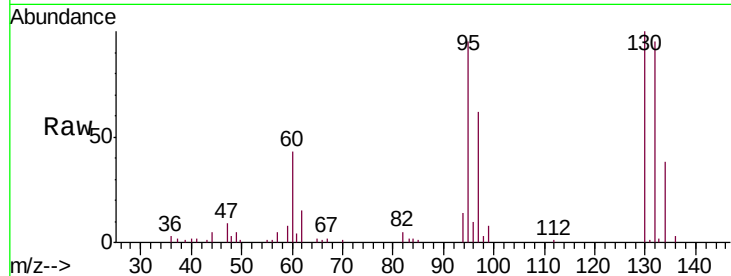




#38
 Trichloroethene
 Concen: 0.146 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: VL035676.D
 Acq: 18 Sep 2020 3:41

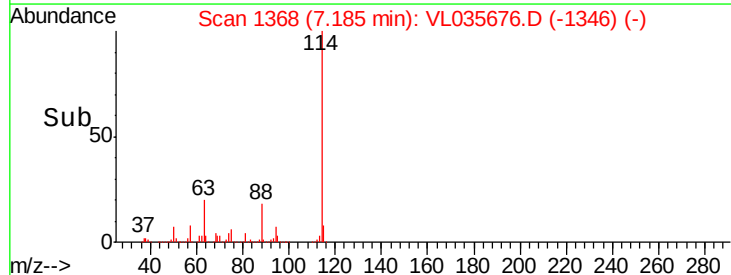
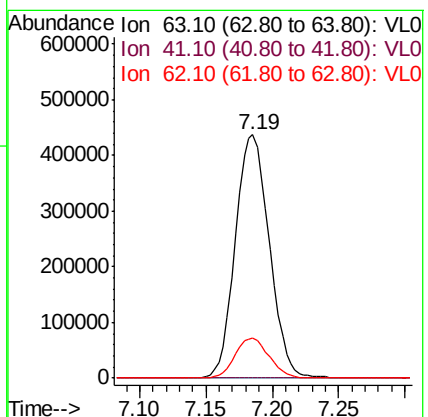
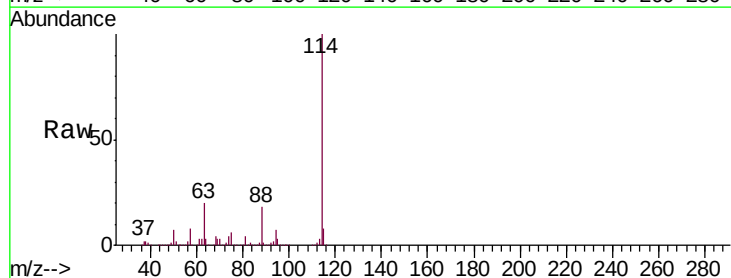
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-13DL

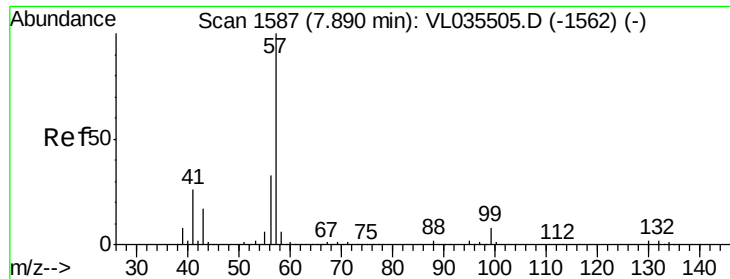
Tgt Ion:	130	Resp:	22407
Ion	Ratio	Lower	Upper
130	100		
95	93.2	74.6	112.0
132	94.5	77.6	116.4
97	61.7	50.6	76.0



#39
 1,2-Dichloropropane
 Concen: 8.714 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.43 min
 Lab File: VL035676.D
 Acq: 18 Sep 2020 3:41

Tgt Ion:	63	Resp:	779206
Ion	Ratio	Lower	Upper
63	100		
41	0.0	40.0	60.0#
62	16.7	55.4	83.0#





#44

2,2,4-Trimethylpentane

Concen: 0.083 ppbv

RT: 7.88 min Scan# 1584

Delta R.T. 0.01 min

Lab File: VL035676.D

Acq: 18 Sep 2020 3:41

Instrument :

MSVOA_L

ClientSampleId :

SV-13DL

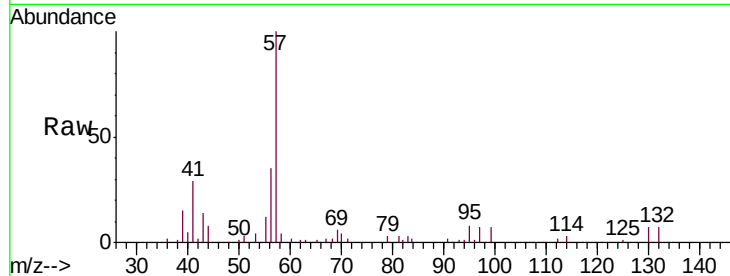
Tgt Ion: 57 Resp: 28789

Ion Ratio Lower Upper

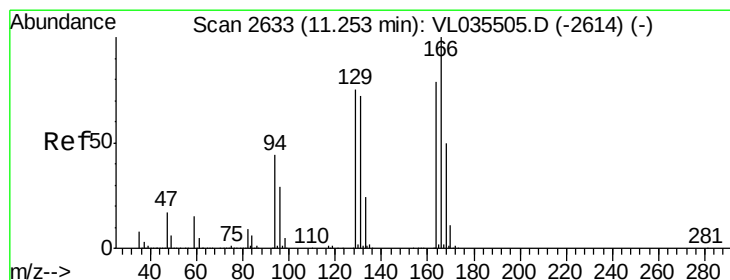
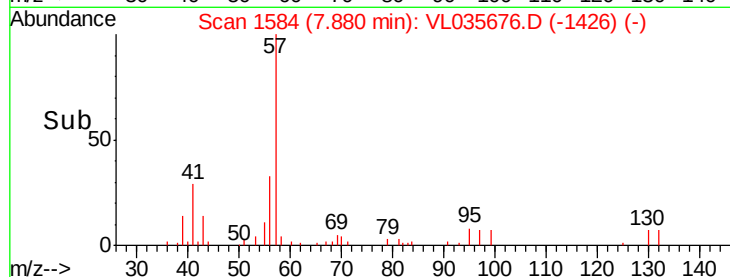
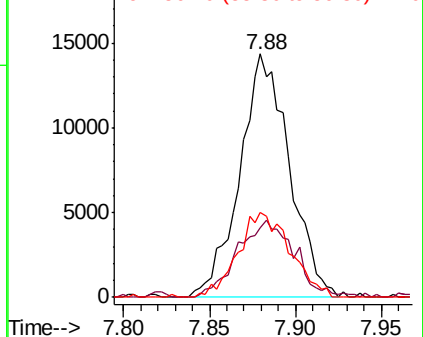
57 100

41 37.1 20.5 30.7#

56 36.5 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: 10.842 ppbv

RT: 11.25 min Scan# 2631

Delta R.T. 0.02 min

Lab File: VL035676.D

Acq: 18 Sep 2020 3:41

Tgt Ion: 164 Resp: 1676588

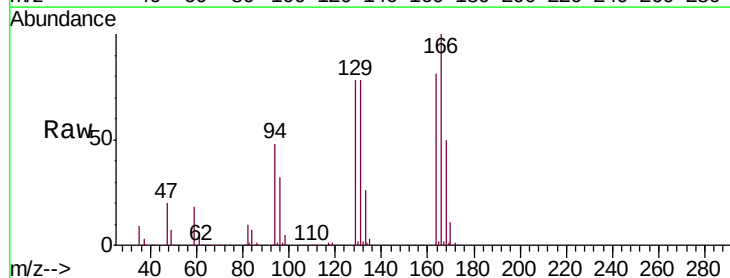
Ion Ratio Lower Upper

164 100

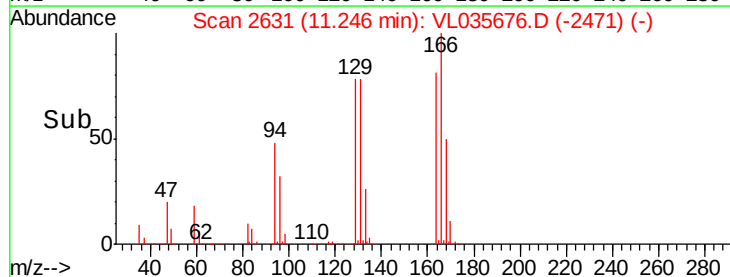
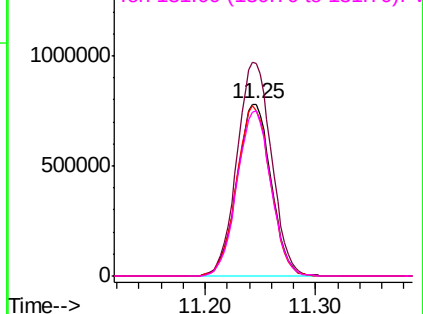
166 123.4 100.9 151.3

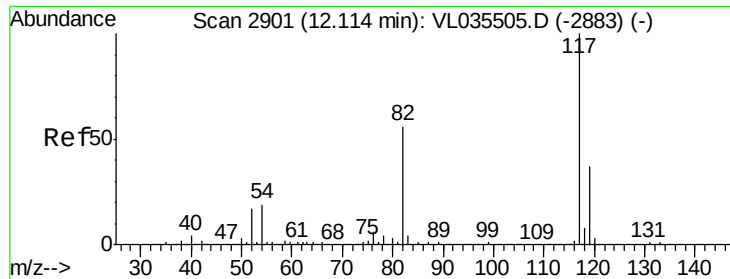
129 95.9 75.3 112.9

131 95.8 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

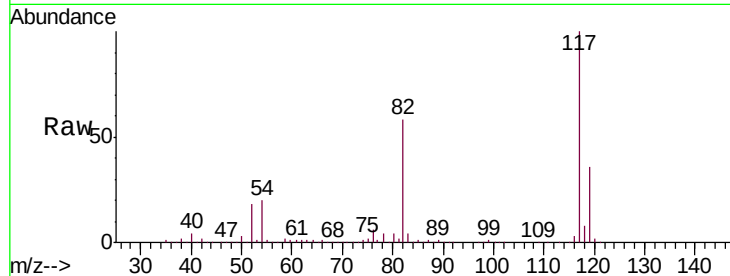




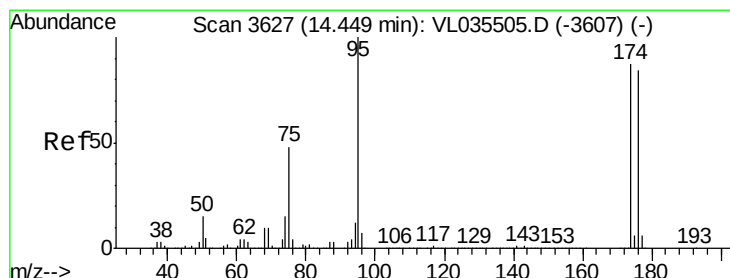
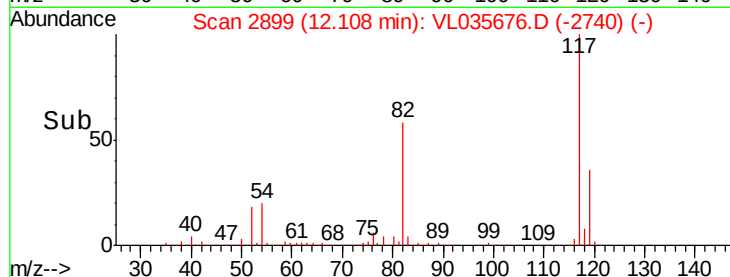
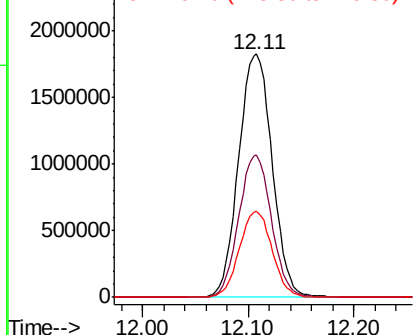
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. 0.01 min
Lab File: VL035676.D
Acq: 18 Sep 2020 3:41

Instrument :
MSVOA_L
ClientSampled :
SV-13DL

Tgt Ion: 117 Resp: 4058413
Ion Ratio Lower Upper
117 100
82 57.0 41.6 62.4
119 34.7 29.3 43.9

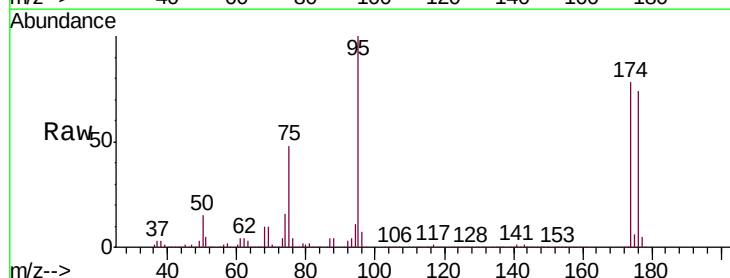


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.255 ppbv
RT: 14.44 min Scan# 3624
Delta R.T. 0.01 min
Lab File: VL035676.D
Acq: 18 Sep 2020 3:41

Tgt Ion: 95 Resp: 2955540
Ion Ratio Lower Upper
95 100
174 78.6 69.6 104.4
175 5.7 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

