

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092120\
 Data File : VL035685.D
 Acq On : 21 Sep 2020 14:34
 Operator : SY/AP
 Sample : L4016-01DL2 400X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-13DL

Quant Time: Sep 22 01:28:11 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	5.63	49	1031303	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.14	114	3964799	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	3980655	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2922122	10.34	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.40%

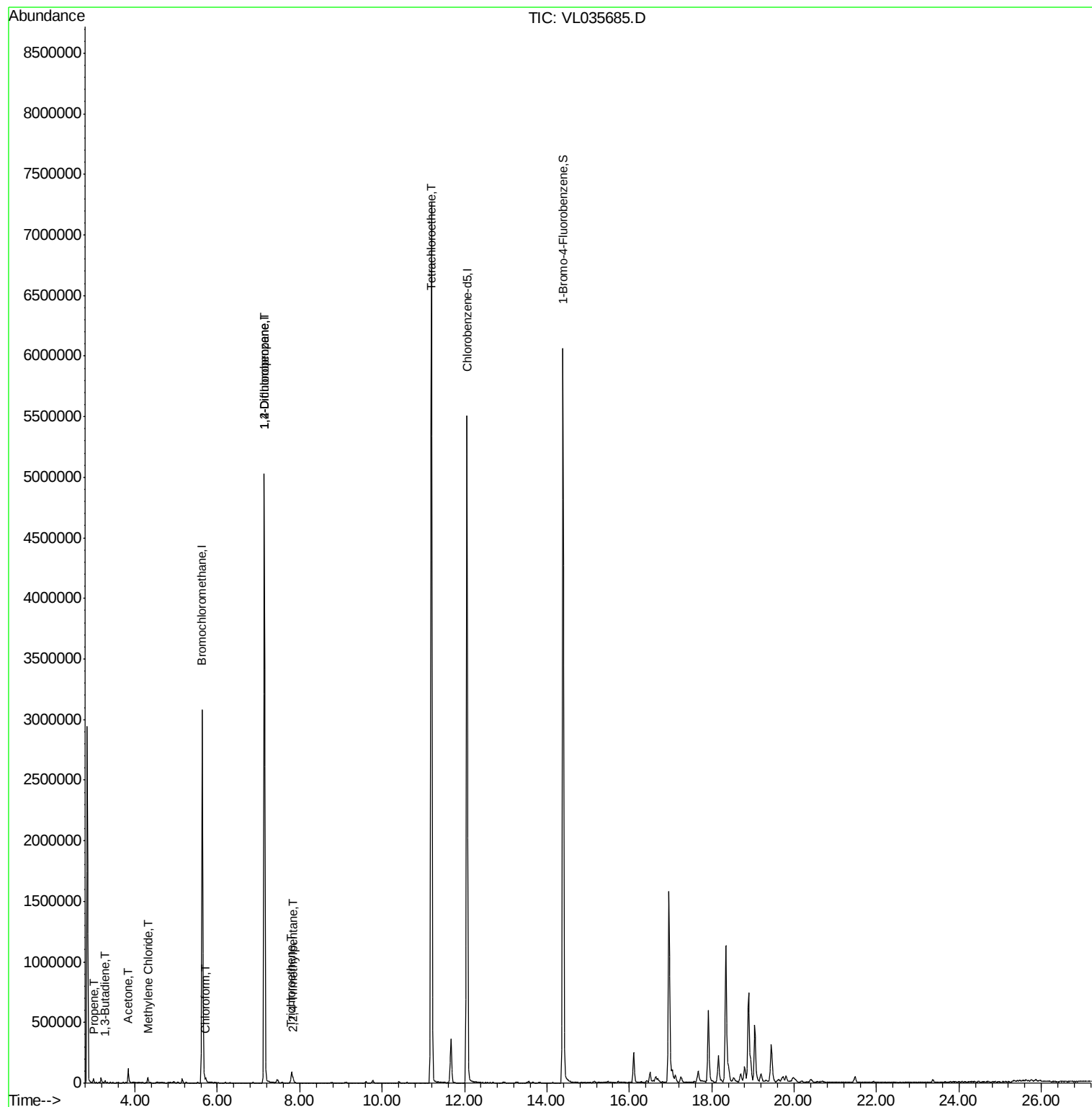
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	8283	0.188	ppbv #	78
15) Acetone	3.83	43	107059	0.941	ppbv	92
16) 1,3-Butadiene	3.28	39	2240	0.053	ppbv #	14
20) Methylene Chloride	4.32	84	18166	0.214	ppbv	92
29) Chloroform	5.72	83	9359	0.040	ppbv #	79
38) Trichloroethene	7.80	130	31913	0.214	ppbv	93
39) 1,2-Dichloropropane	7.14	63	765839	8.833	ppbv #	32
44) 2,2,4-Trimethylpentane	7.83	57	32569	0.096	ppbv #	82
52) Tetrachloroethene	11.19	164	2004163	13.367	ppbv	98

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

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QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.63 min Scan# 885

Delta R.T. -0.03 min

Lab File: VL035685.D

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Instrument :

MSVOA_L

ClientSampleId :

SV-13DL

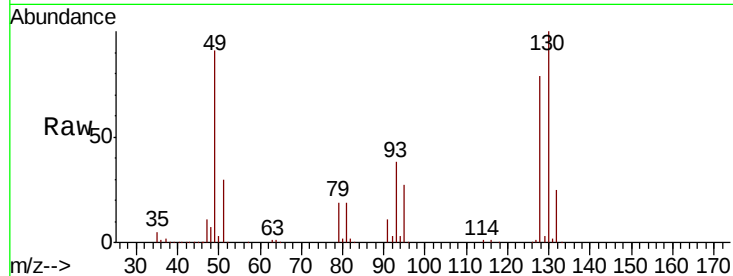
Tot Ion: 49 Resp: 1031303

Ion Ratio Lower Upper

49 100

128 88.0 50.0 150.1

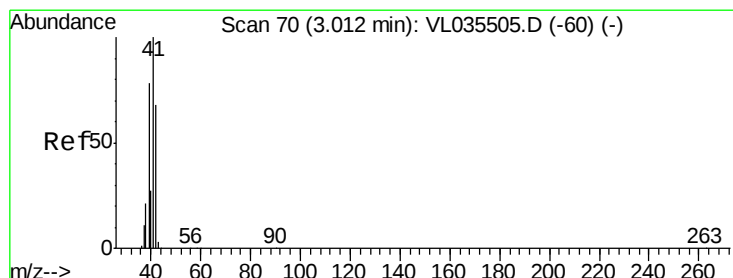
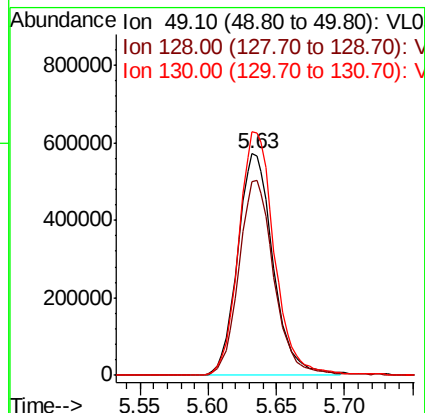
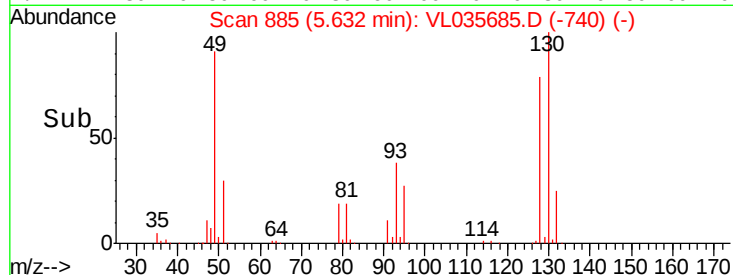
130 111.8 64.4 193.2



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: 0.188 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.00 min

Lab File: VL035685.D

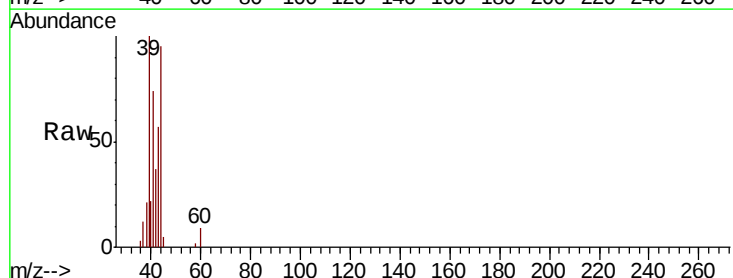
Acq: 21 Sep 2020 14:34

Tgt Ion: 41 Resp: 8283

Ion Ratio Lower Upper

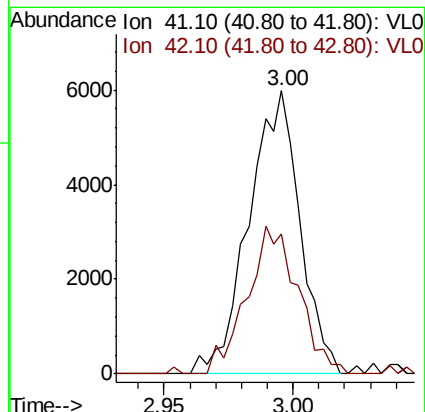
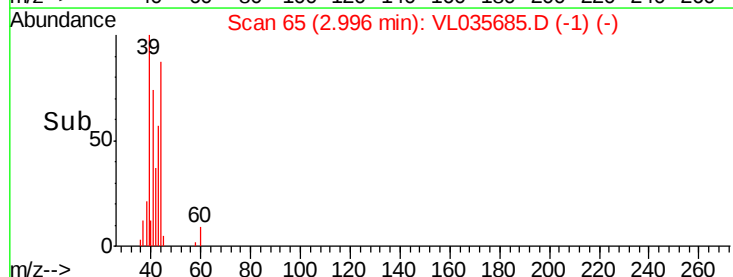
41 100

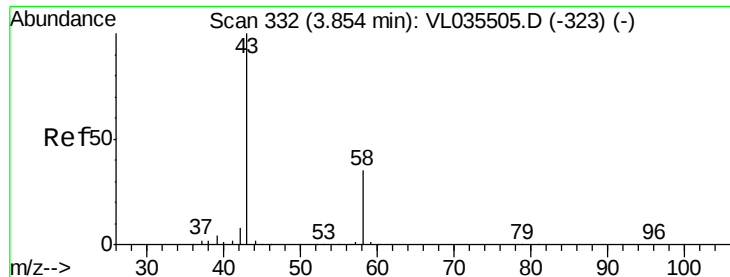
42 52.6 56.3 84.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.941 ppbv

RT: 3.83 min Scan# 326

Delta R.T. -0.00 min

Lab File: VL035685.D

Acq: 21 Sep 2020 14:34

Instrument :

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ClientSampleId :

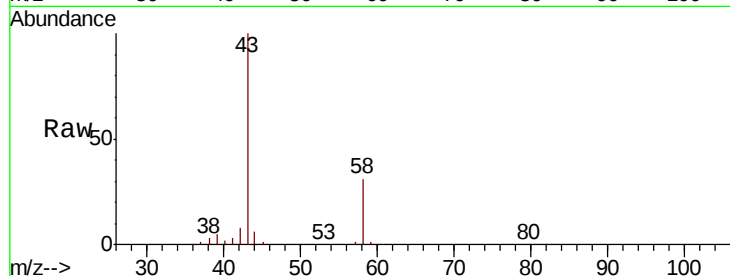
SV-13DL

Tot Ion: 43 Resp: 107059

Ion Ratio Lower Upper

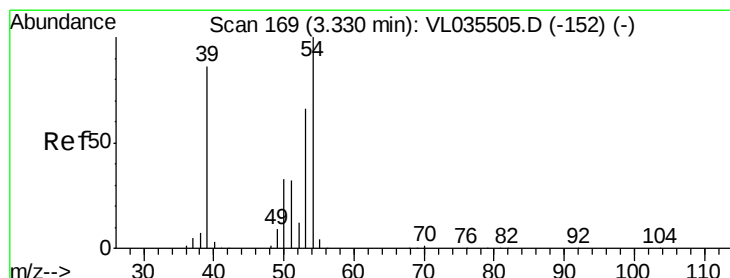
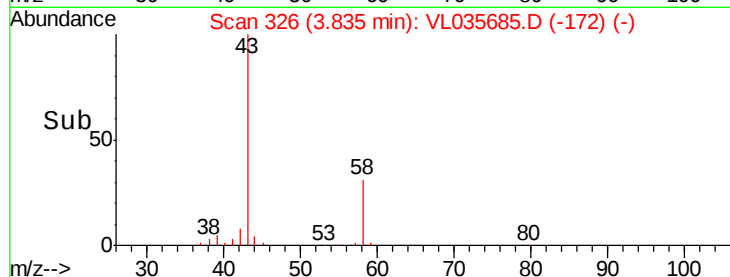
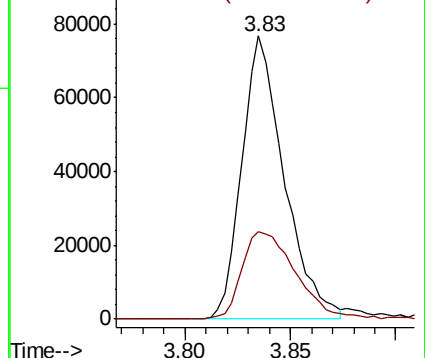
43 100

58 40.1 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: 0.053 ppbv

RT: 3.28 min Scan# 154

Delta R.T. -0.04 min

Lab File: VL035685.D

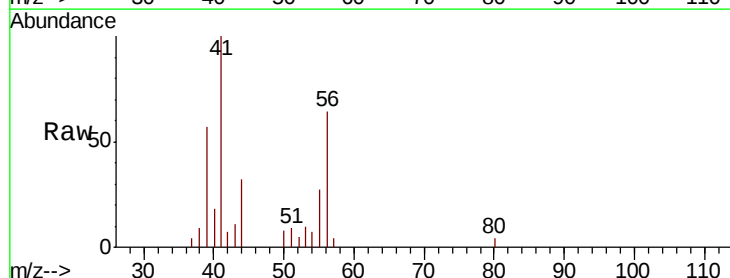
Acq: 21 Sep 2020 14:34

Tgt Ion: 39 Resp: 2240

Ion Ratio Lower Upper

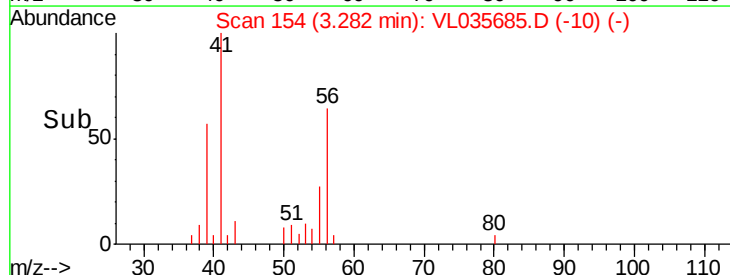
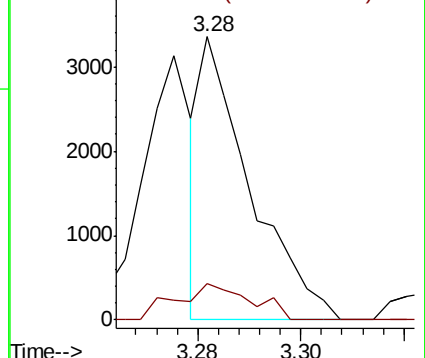
39 100

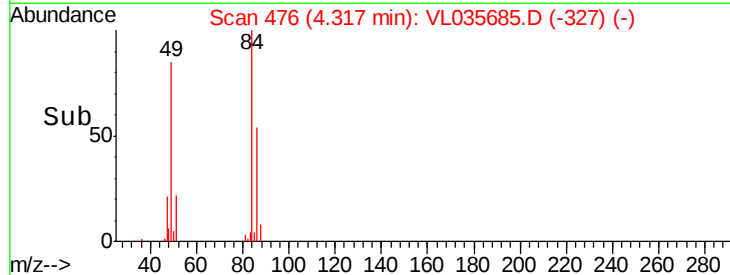
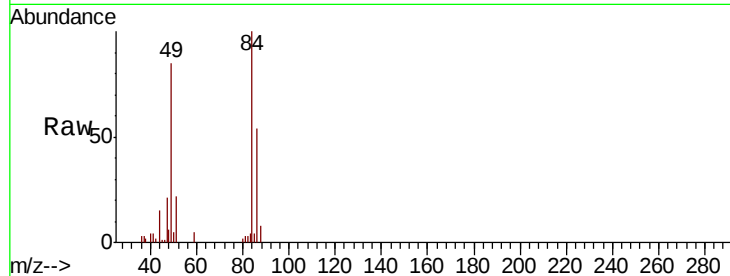
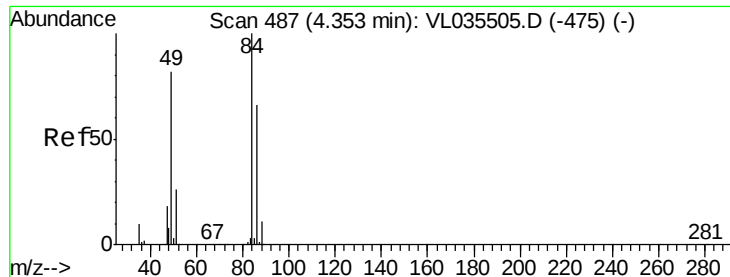
54 19.1 88.4 132.6#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

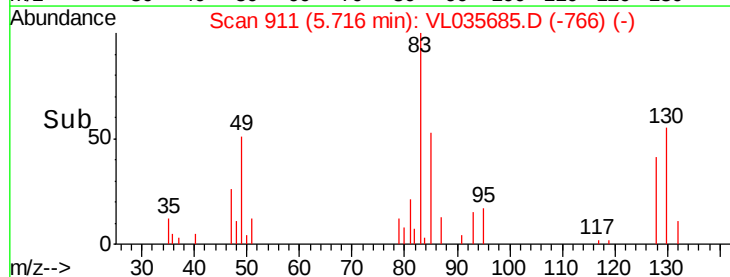
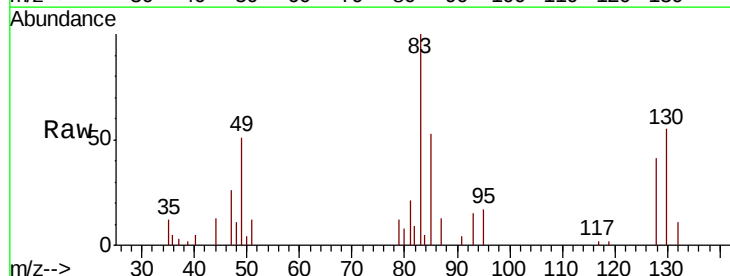
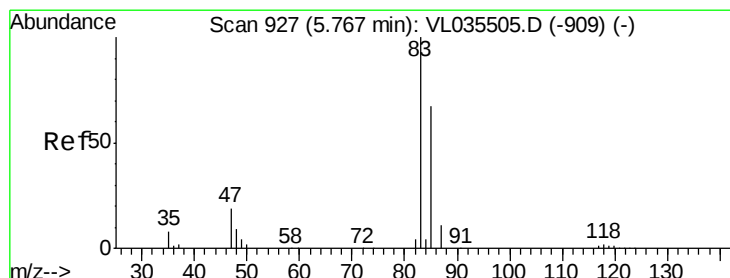
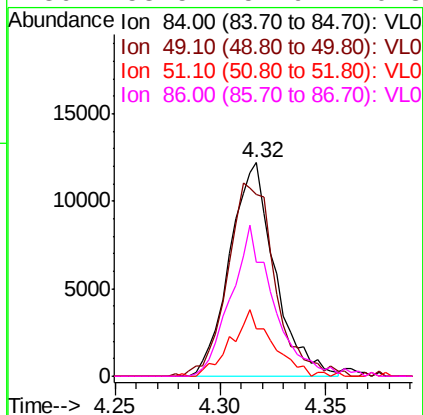




#20
Methvlene Chloride
Concen: 0.214 ppbv
RT: 4.32 min Scan# 476
Delta R.T. -0.02 min
Lab File: VL035685.D
Acq: 21 Sep 2020 14:34

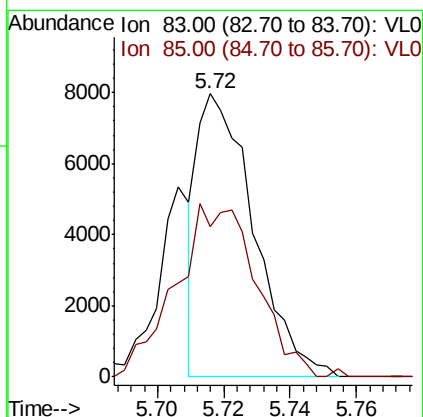
Instrument :
MSVOA_L
ClientSampleId :
SV-13DL

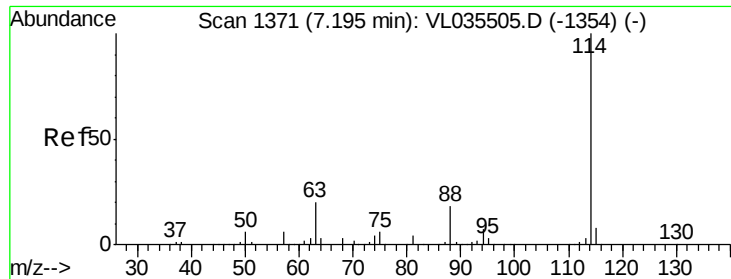
Tot Ion:	84	Resp:	18166
Ion	Ratio	Lower	Upper
84	100		
49	83.0	65.4	98.0
51	22.3	21.5	32.3
86	53.5	52.9	79.3



#29
Chloroform
Concen: 0.040 ppbv
RT: 5.72 min Scan# 911
Delta R.T. -0.03 min
Lab File: VL035685.D
Acq: 21 Sep 2020 14:34

Tgt Ion:	83	Resp:	9359
Ion	Ratio	Lower	Upper
83	100		
85	50.3	53.9	80.9#

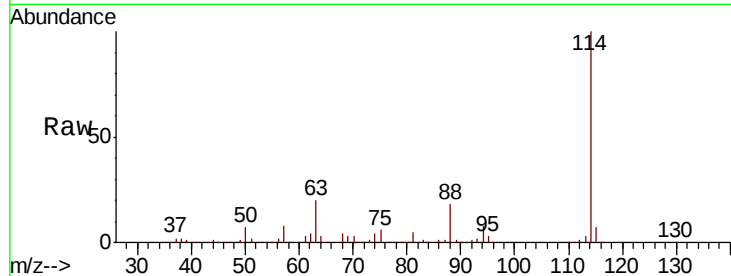




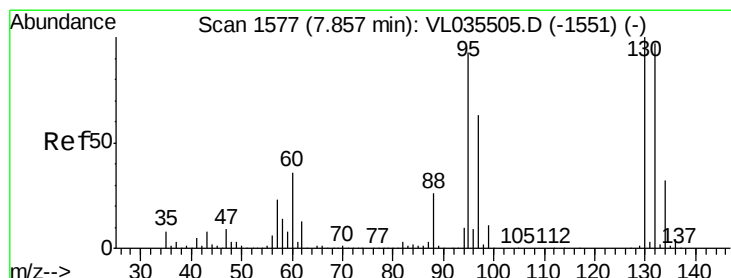
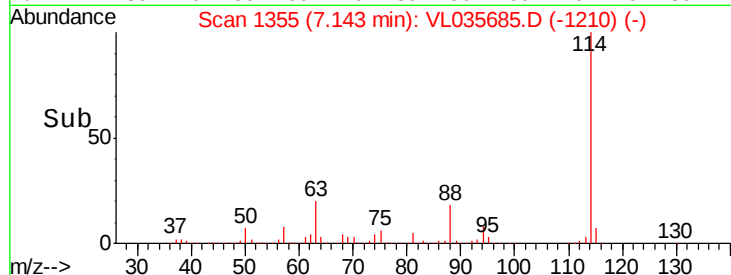
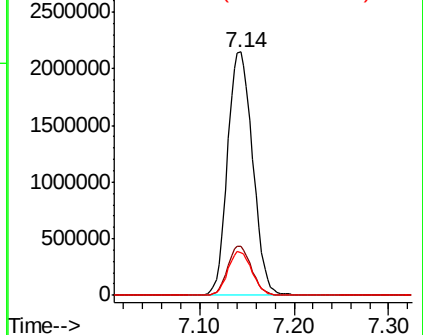
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.14 min Scan# 1355
 Delta R.T. -0.03 min
 Lab File: VL035685.D
 Acq: 21 Sep 2020 14:34

Instrument :
 MSVOA_L
 ClientSampleID :
 SV-13DL

Tot Ion:114 Resp: 3964799
 Ion Ratio Lower Upper
 114 100
 63 19.4 14.7 22.1
 88 17.2 13.4 20.2

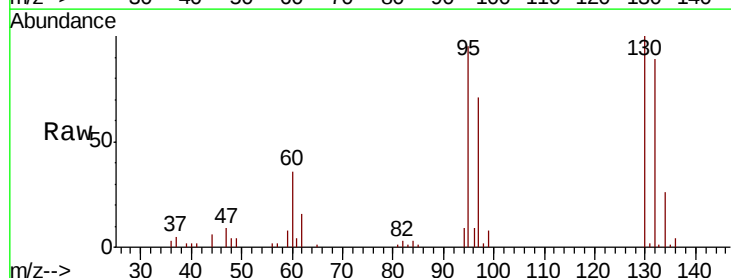


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

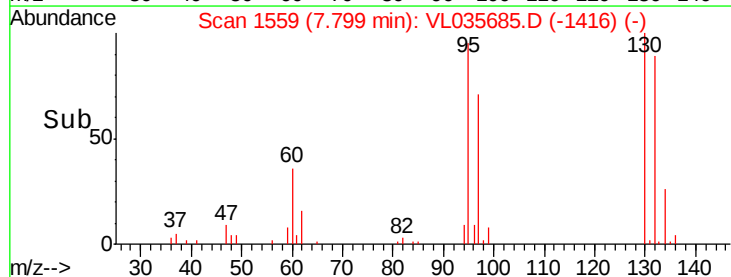
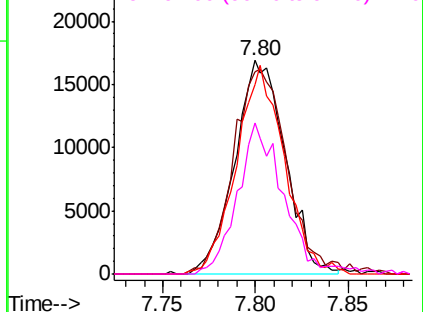


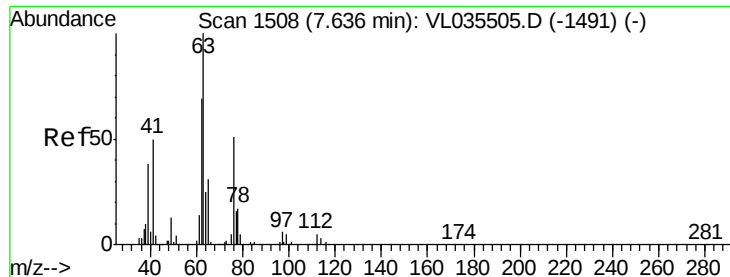
#38
 Trichloroethene
 Concen: 0.214 ppbv
 RT: 7.80 min Scan# 1559
 Delta R.T. -0.04 min
 Lab File: VL035685.D
 Acq: 21 Sep 2020 14:34

Tgt Ion:130 Resp: 31913
 Ion Ratio Lower Upper
 130 100
 95 94.0 74.6 112.0
 132 87.2 77.6 116.4
 97 70.9 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: 8.833 ppbv

RT: 7.14 min Scan# 1354

Delta R.T. -0.47 min

Lab File: VL035685.D

Acq: 21 Sep 2020 14:34

Instrument :

MSVOA_L

ClientSampleId :

SV-13DL

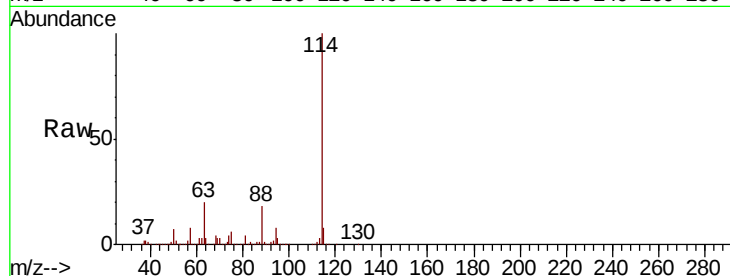
Tot Ion: 63 Resp: 765839

Ion Ratio Lower Upper

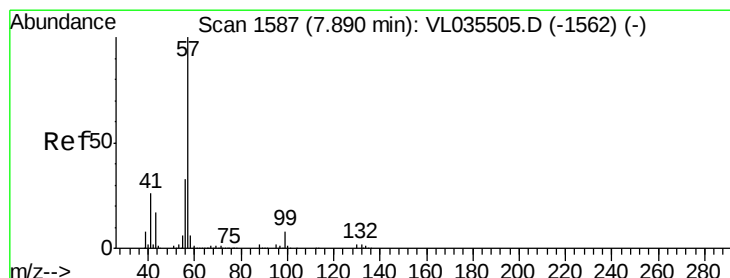
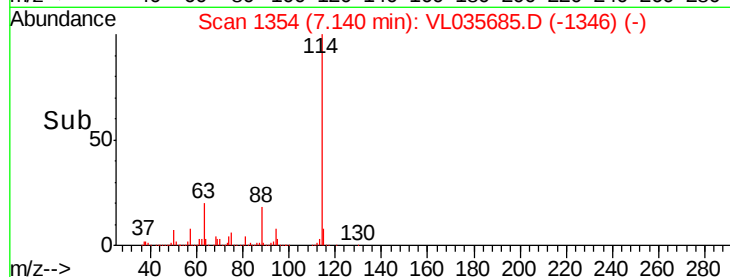
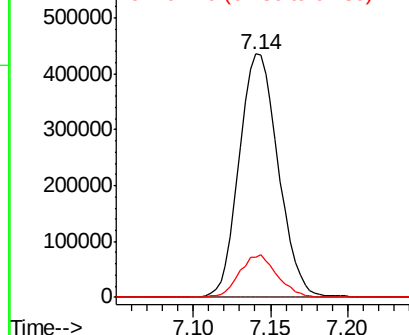
63 100

41 0.0 40.0 60.0#

62 16.6 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: 0.096 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.04 min

Lab File: VL035685.D

Acq: 21 Sep 2020 14:34

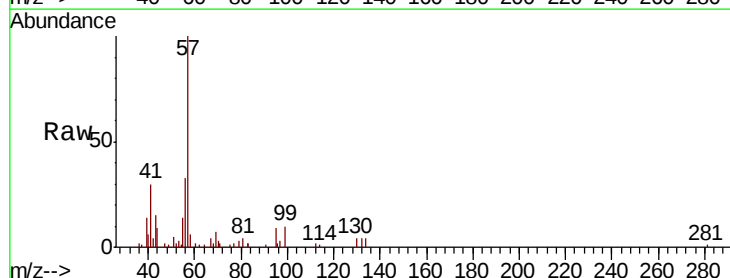
Tgt Ion: 57 Resp: 32569

Ion Ratio Lower Upper

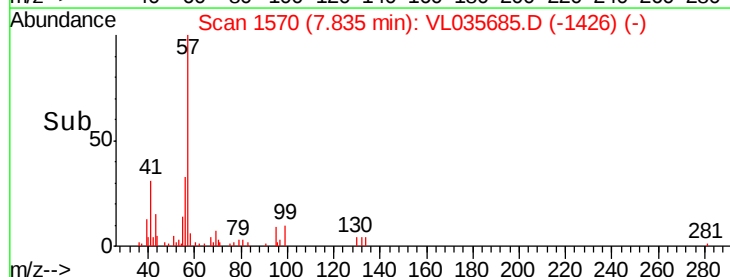
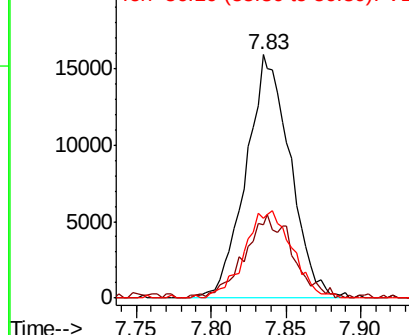
57 100

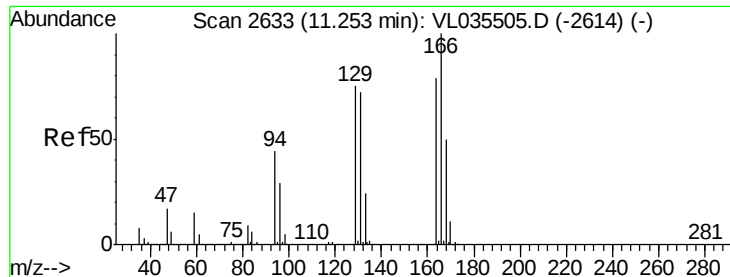
41 37.5 20.5 30.7#

56 38.7 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: 13.367 ppbv

RT: 11.19 min Scan# 2615

Delta R.T. -0.04 min

Lab File: VL035685.D

Acq: 21 Sep 2020 14:34

Instrument :

MSVOA_L

ClientSampleId :

SV-13DL

Tot Ion:164 Resp: 2004163

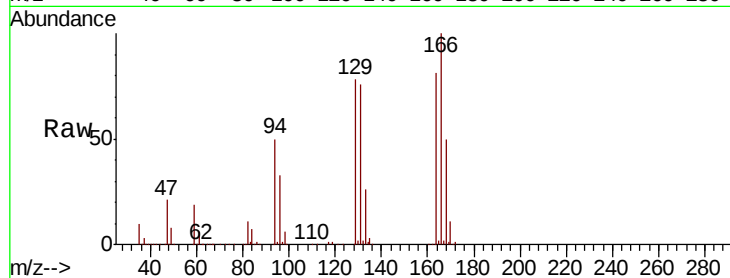
Ion Ratio Lower Upper

164 100

166 124.2 100.9 151.3

129 97.0 75.3 112.9

131 94.2 73.0 109.4

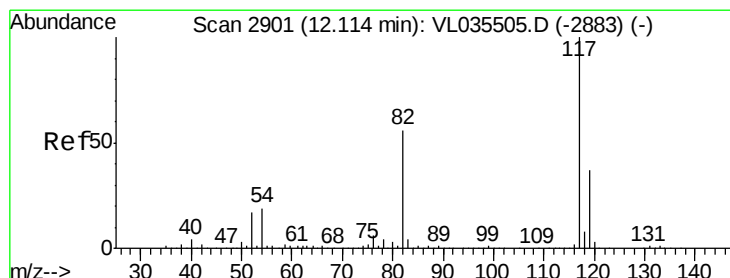
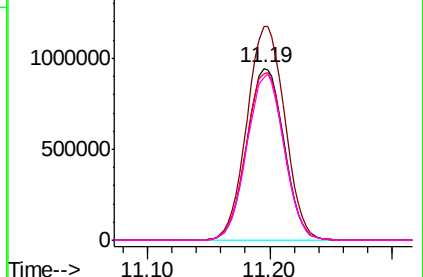
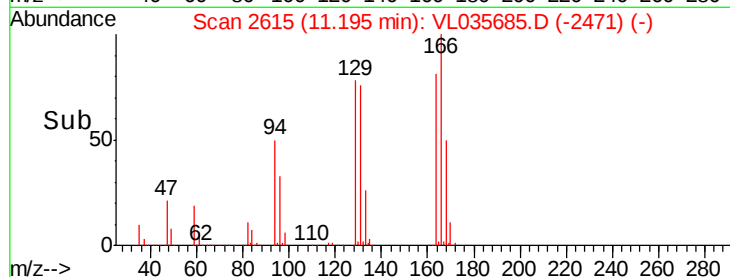


Abundance Ion 163.90 (163.60 to 164.60): V

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: 12.06 min Scan# 2884

Delta R.T. -0.04 min

Lab File: VL035685.D

Acq: 21 Sep 2020 14:34

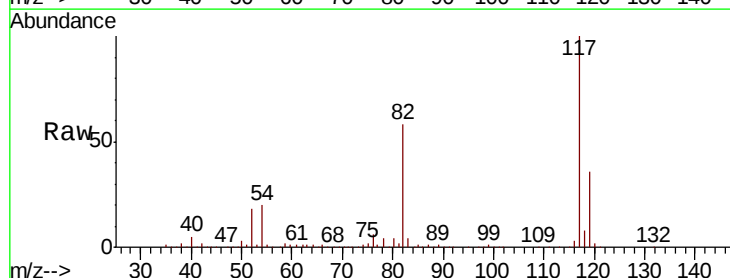
Tgt Ion:117 Resp: 3980655

Ion Ratio Lower Upper

117 100

82 57.9 41.6 62.4

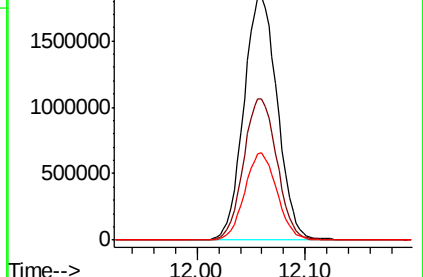
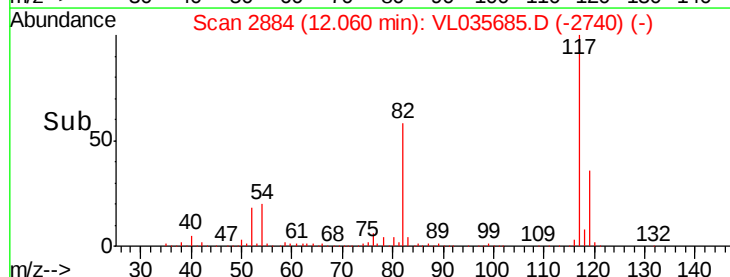
119 34.6 29.3 43.9

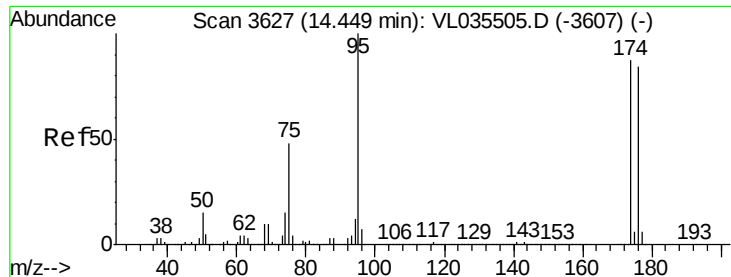


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.337 ppbv
 RT: 14.39 min Scan# 3609
 Delta R.T. -0.04 min
 Lab File: VL035685.D
 Acq: 21 Sep 2020 14:34

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-13DL

Tot Ion: 95 Resp: 2922122
 Ion Ratio Lower Upper
 95 100
 174 78.0 69.6 104.4
 175 5.6 5.1 7.7

