

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092120\
 Data File : VL035683.D
 Acq On : 21 Sep 2020 12:41
 Operator : SY/AP
 Sample : VL0921ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0921ABL01

Quant Time: Sep 22 01:27:24 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	983644	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.14	114	3775667	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.05	117	3793584	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2758579	10.24	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.40%

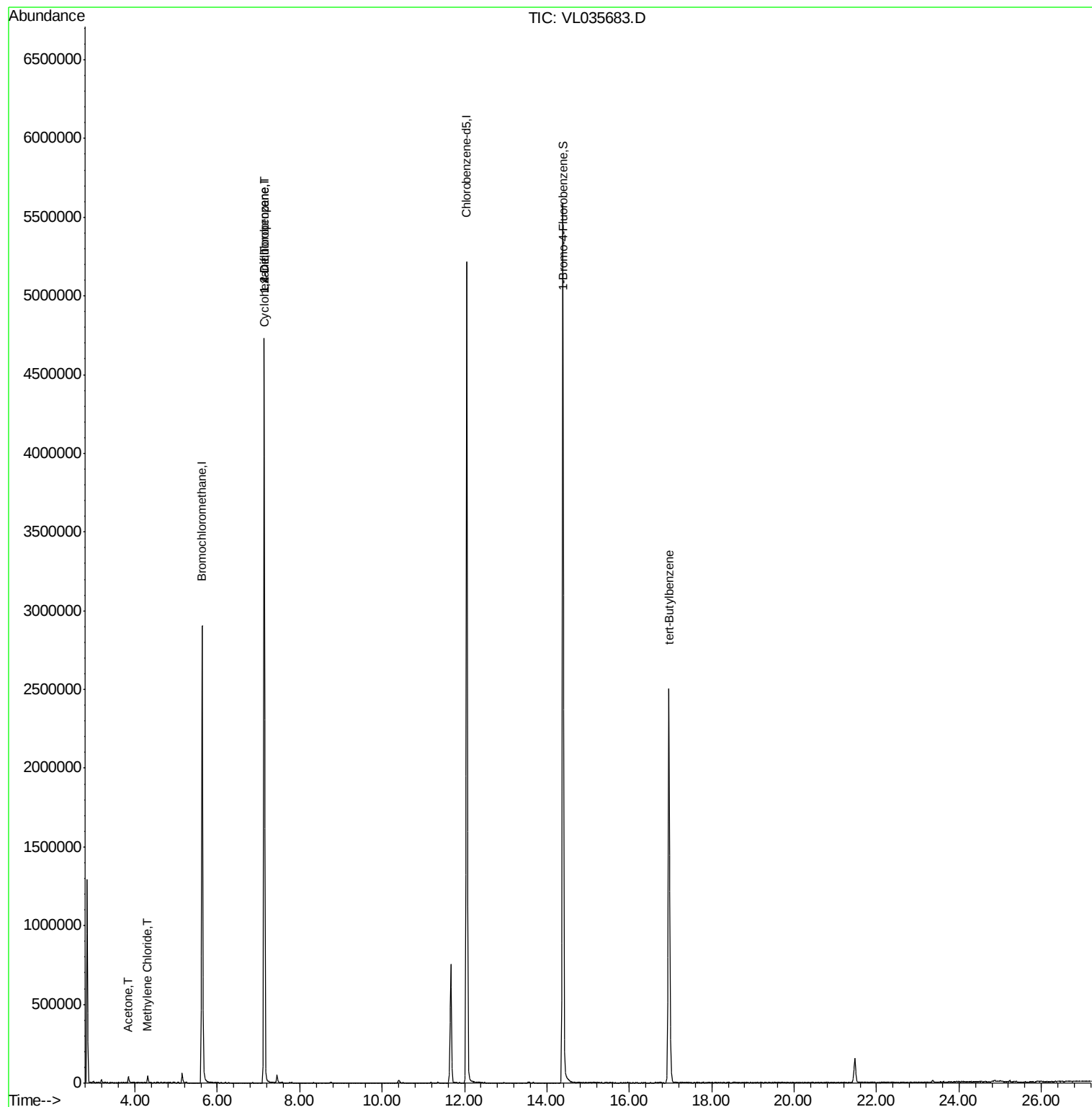
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.84	43	27175	0.250	ppbv #	30
20) Methylene Chloride	4.31	84	18025	0.223	ppbv #	88
30) Cyclohexane	7.12	84	6532	0.056	ppbv #	9
39) 1,2-Dichloropropane	7.14	63	724436	8.774	ppbv #	32
65) tert-Butylbenzene	16.96	119	46990	0.096	ppbv #	25

(#) = 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# 884

Delta R.T. -0.04 min

Lab File: VL035683.D

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Instrument :

MSVOA_L

ClientSampleId :

VL0921ABL01

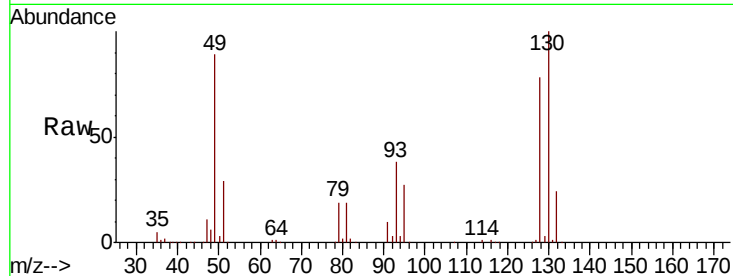
Tot Ion: 49 Resp: 983644

Ion Ratio Lower Upper

49 100

128 86.5 50.0 150.1

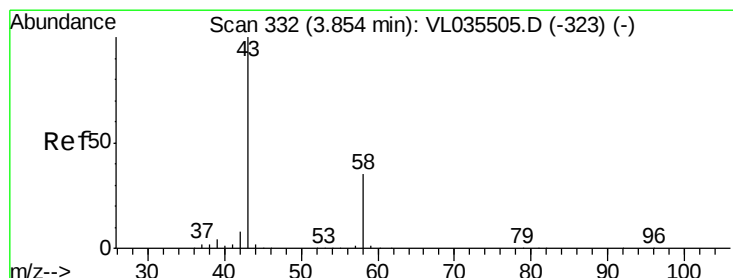
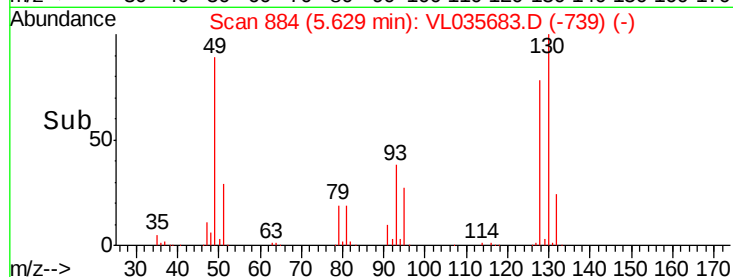
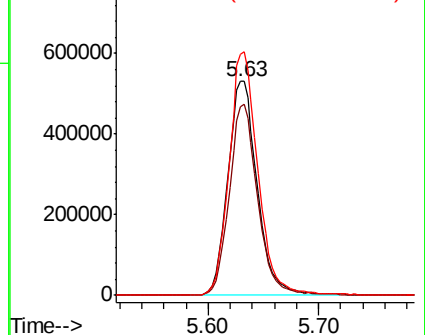
130 112.3 64.4 193.2



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



#15

Acetone

Concen: 0.250 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.00 min

Lab File: VL035683.D

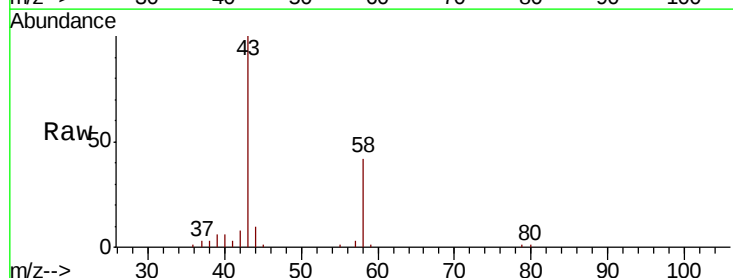
Acq: 21 Sep 2020 12:41

Tgt Ion: 43 Resp: 27175

Ion Ratio Lower Upper

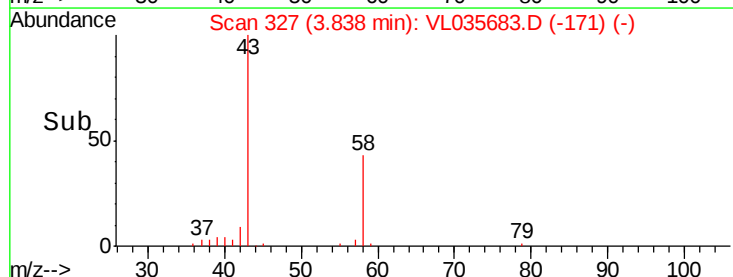
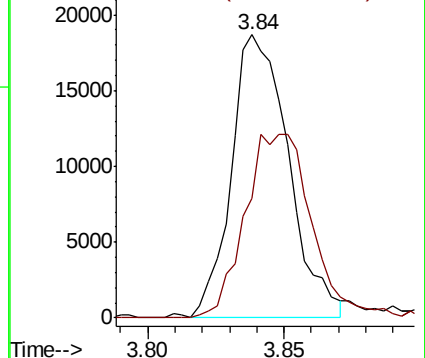
43 100

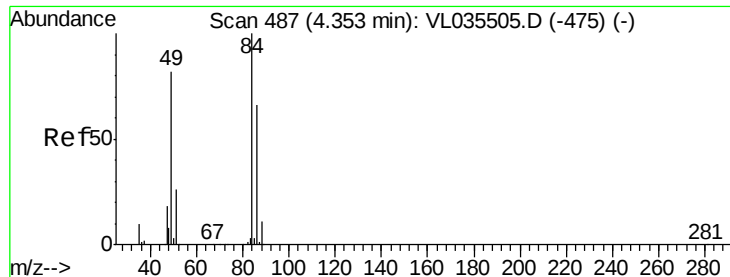
58 76.6 28.4 42.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

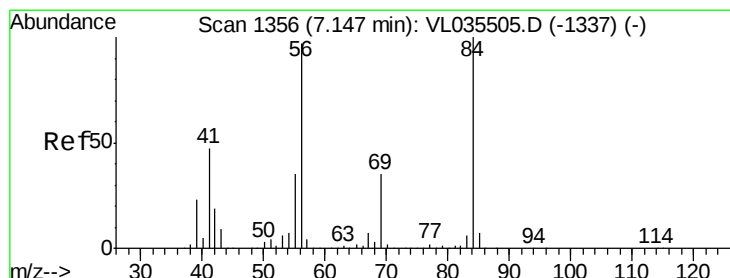
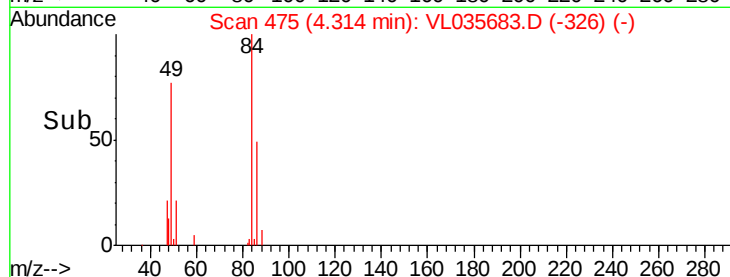
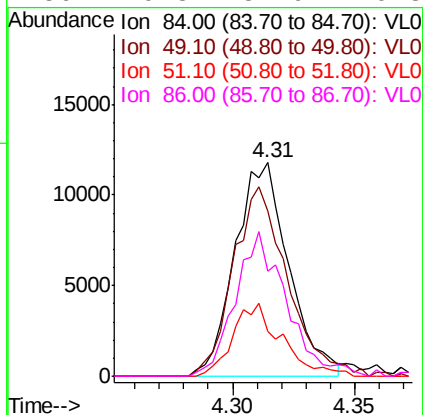
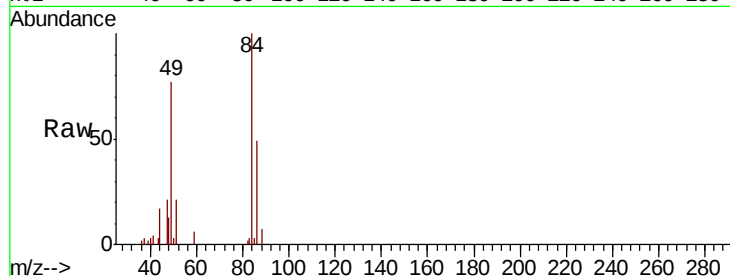




#20
Methvlene Chloride
Concen: 0.223 ppbv
RT: 4.31 min Scan# 475
Delta R.T. -0.02 min
Lab File: VL035683.D
Acq: 21 Sep 2020 12:41

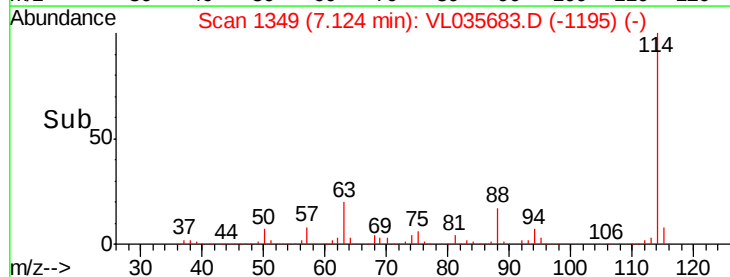
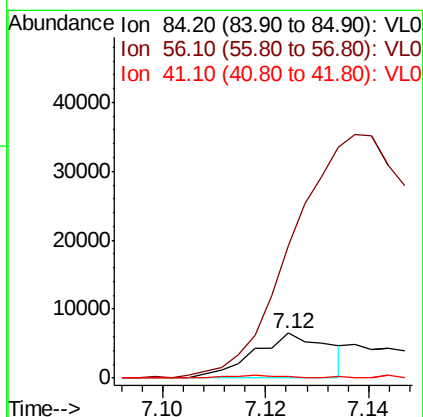
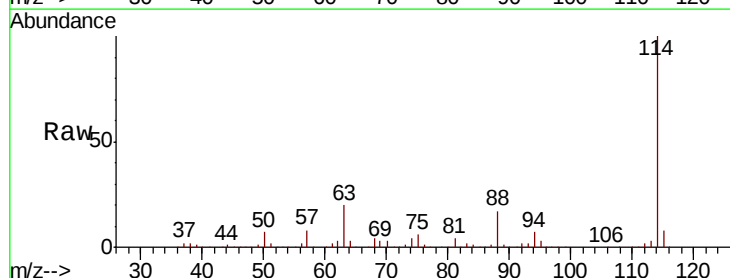
Instrument :
MSVOA_L
ClientSampleId :
VL0921ABL01

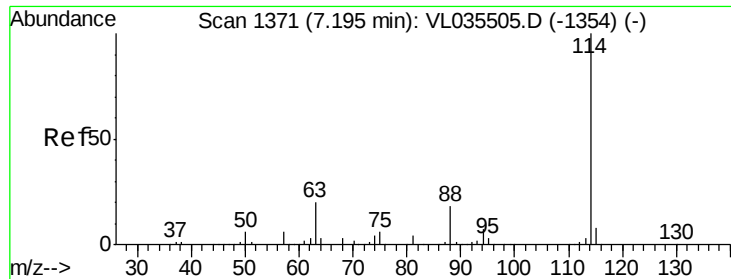
Tot Ion:	84	Resp:	18025
Ion	Ratio	Lower	Upper
84	100		
49	77.1	65.4	98.0
51	20.9	21.5	32.3#
86	49.3	52.9	79.3#



#30
Cyclohexane
Concen: 0.056 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.01 min
Lab File: VL035683.D
Acq: 21 Sep 2020 12:41

Tgt Ion:	84	Resp:	6532
Ion	Ratio	Lower	Upper
84	100		
56	0.0	80.1	120.1#
41	0.0	38.1	57.1#

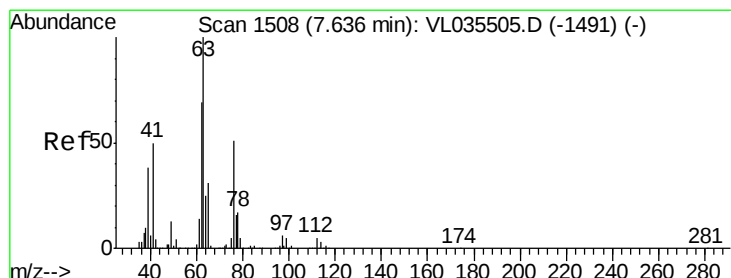
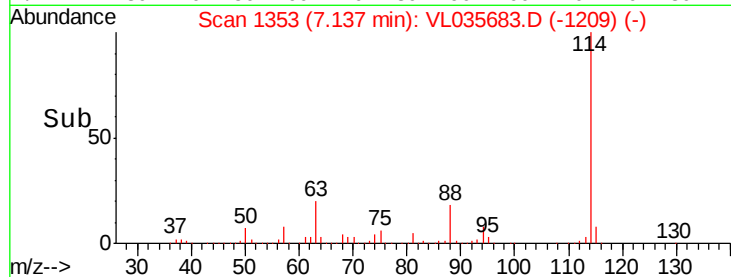
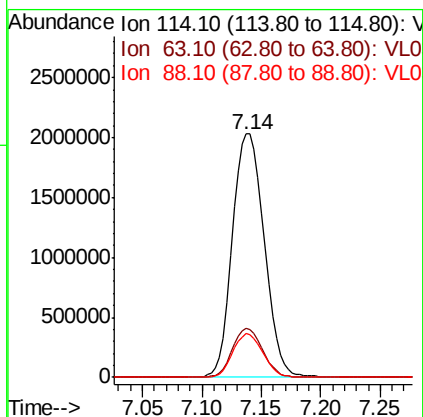
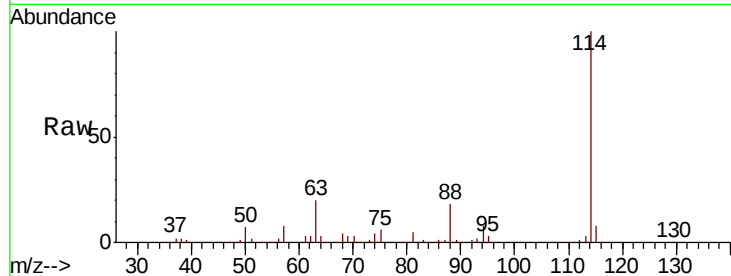




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.14 min Scan# 1353
 Delta R.T. -0.04 min
 Lab File: VL035683.D
 Acq: 21 Sep 2020 12:41

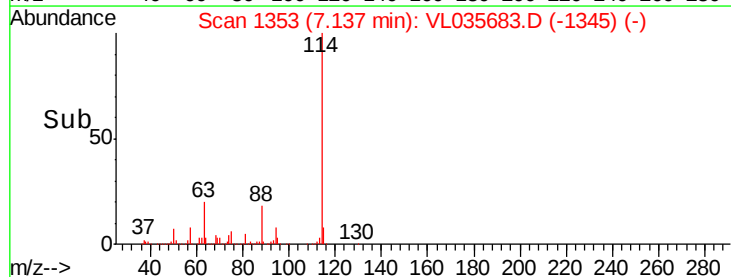
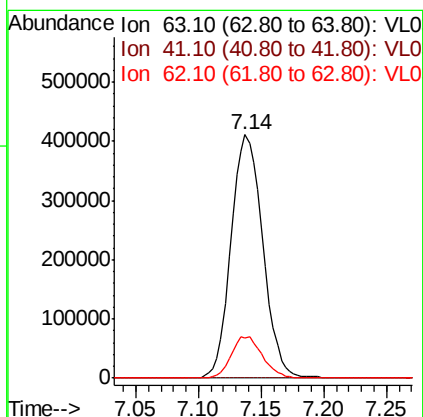
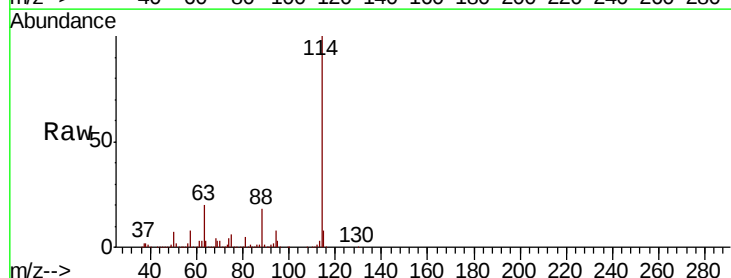
Instrument :
 MSVOA_L
 ClientSampleID :
 VL0921ABL01

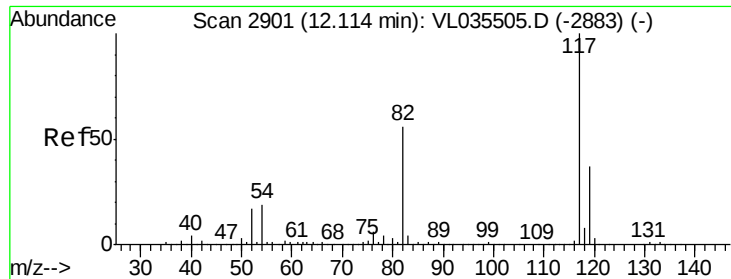
Tot Ion:114 Resp: 3775667
 Ion Ratio Lower Upper
 114 100
 63 19.2 14.7 22.1
 88 17.0 13.4 20.2



#39
 1,2-Dichloropropane
 Concen: 8.774 ppbv
 RT: 7.14 min Scan# 1353
 Delta R.T. -0.48 min
 Lab File: VL035683.D
 Acq: 21 Sep 2020 12:41

Tgt Ion: 63 Resp: 724436
 Ion Ratio Lower Upper
 63 100
 41 0.0 40.0 60.0#
 62 16.3 55.4 83.0#

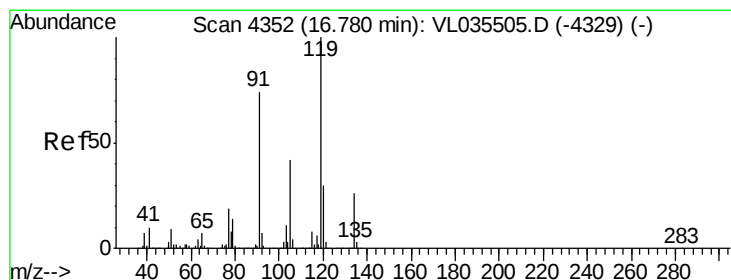
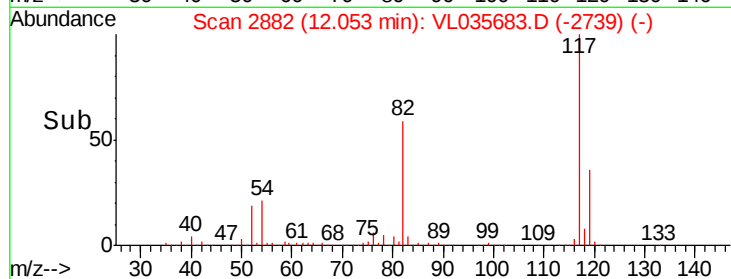
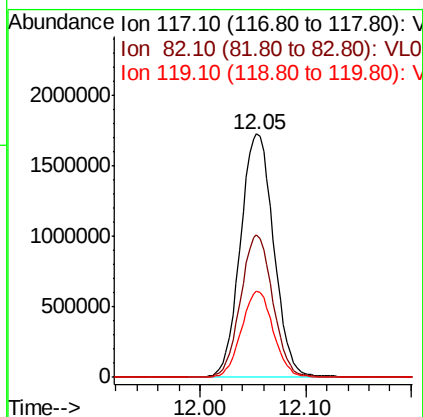
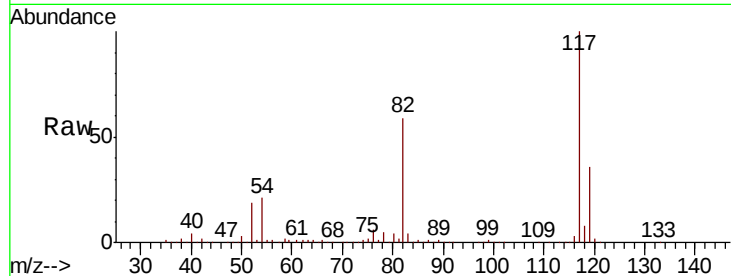




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05 min Scan# 2882
Delta R.T. -0.04 min
Lab File: VL035683.D
Acq: 21 Sep 2020 12:41

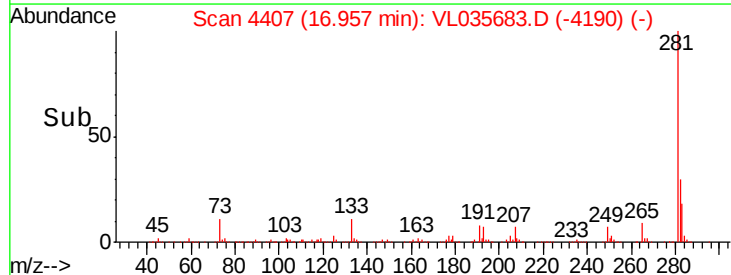
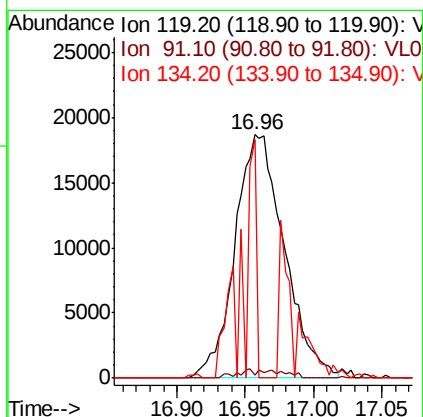
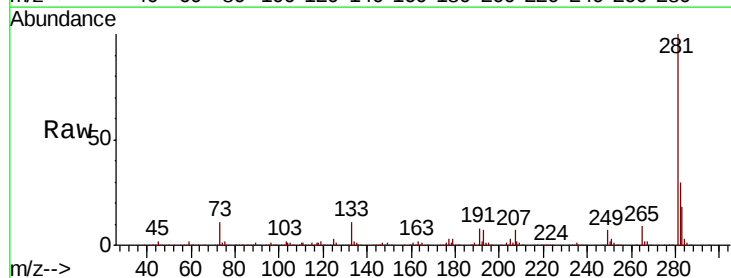
Instrument :
MSVOA_L
ClientSampleId :
VL0921ABL01

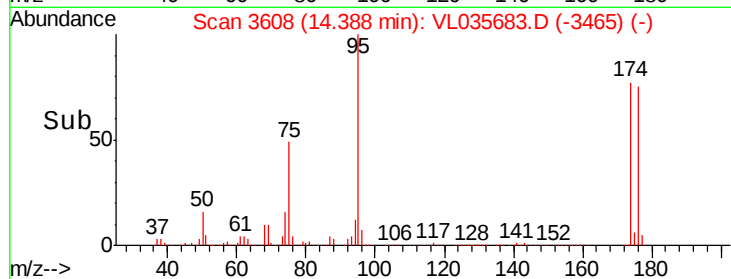
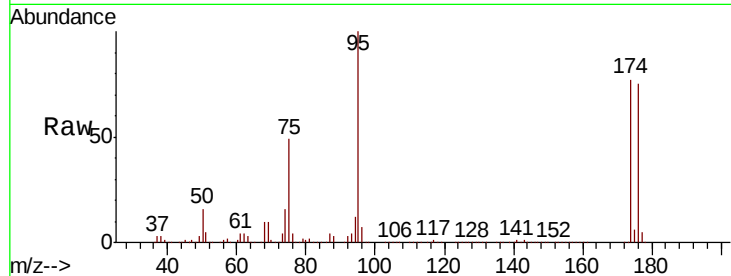
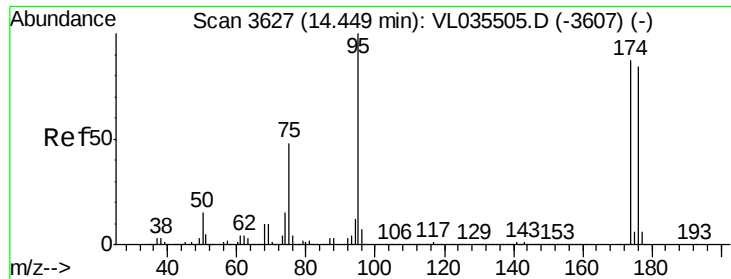
Tot Ion:117 Resp: 3793584
Ion Ratio Lower Upper
117 100
82 57.0 41.6 62.4
119 34.2 29.3 43.9



#65
tert-Butylbenzene
Concen: 0.096 ppbv
RT: 16.96 min Scan# 4407
Delta R.T. 0.20 min
Lab File: VL035683.D
Acq: 21 Sep 2020 12:41

Tgt Ion:119 Resp: 46990
Ion Ratio Lower Upper
119 100
91 3.0 58.6 87.8#
134 48.4 18.9 28.3#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.240 ppbv

RT: 14.39 min Scan# 3608

Delta R.T. -0.04 min

Lab File: VL035683.D

Acq: 21 Sep 2020 12:41

Instrument :

MSVOA_L

ClientSampleId :

VL0921ABL01

Tot Ion: 95 Resp: 2758579

Ion Ratio Lower Upper

95 100

174 78.2 69.6 104.4

175 5.6 5.1 7.7

