

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072920\
 Data File : VL035241.D
 Acq On : 29 Jul 2020 10:44
 Operator : SY/AP
 Sample : VL0729ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 30 02:47:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 29 07:14:29 2020
 QLast Update : Wed Jul 29 07:14:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1324161	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3229113	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3053072	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	2438176	9.99	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%

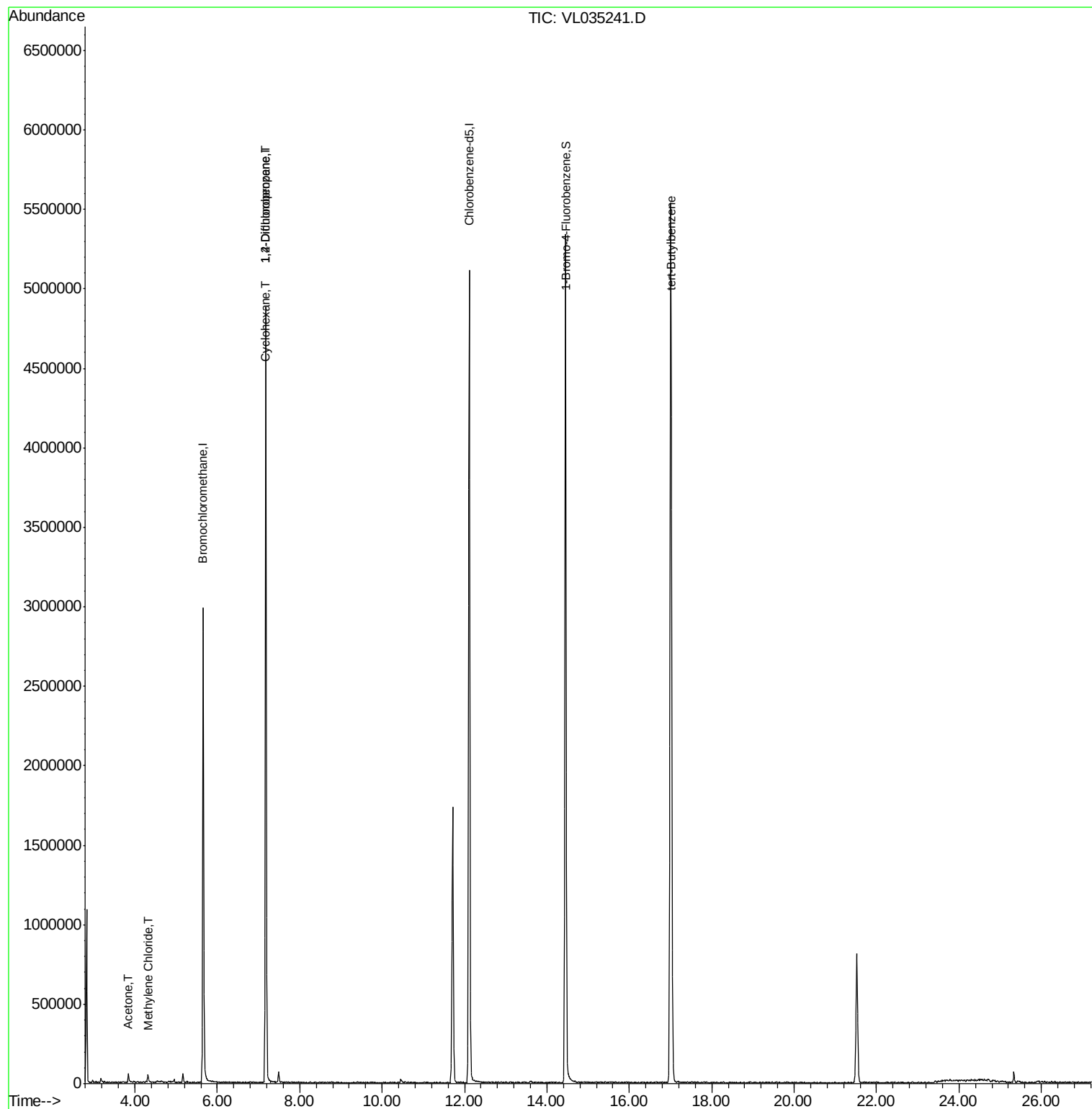
Target Compounds					Ovalue
15) Acetone	3.84	43	42267	0.239 ppbv #	64
20) Methylene Chloride	4.32	84	12781	0.159 ppbv #	82
30) Cyclohexane	7.16	84	6688	0.075 ppbv #	1
39) 1,2-Dichloropropane	7.18	63	860264	9.608 ppbv #	23
65) tert-Butylbenzene	16.99	119	26629	0.066 ppbv #	4

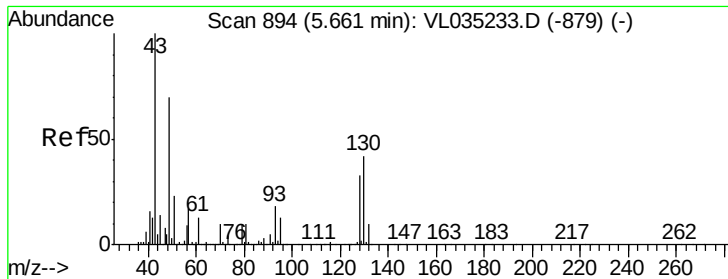
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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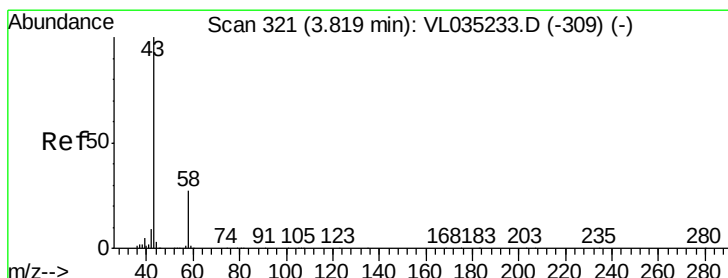
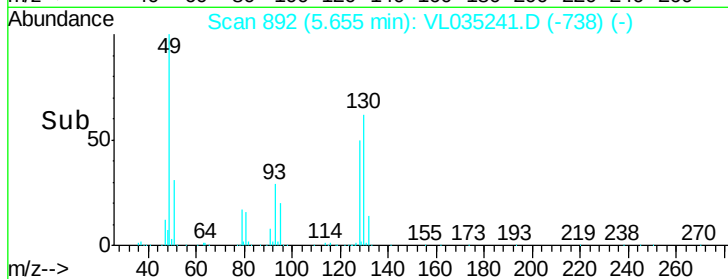
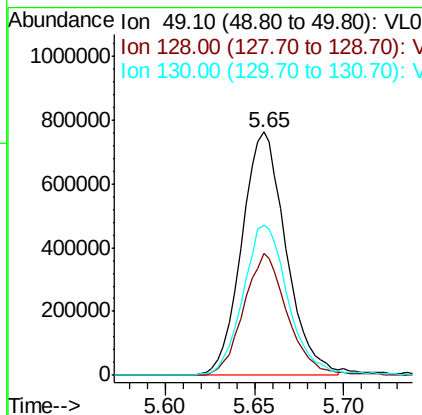
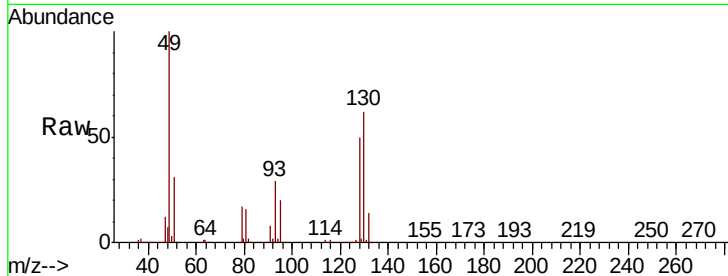




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 892
 Delta R.T. -0.01 min
 Lab File: VL035241.D
 Acq: 29 Jul 2020 10:44

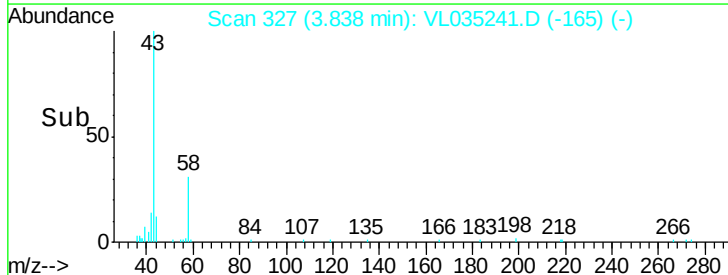
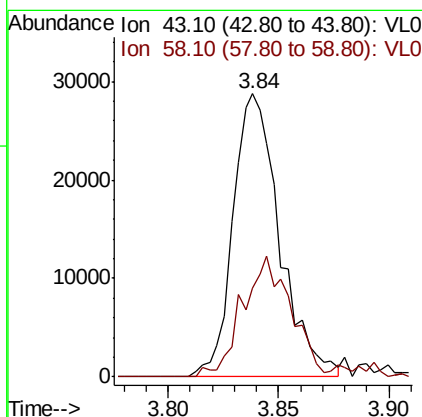
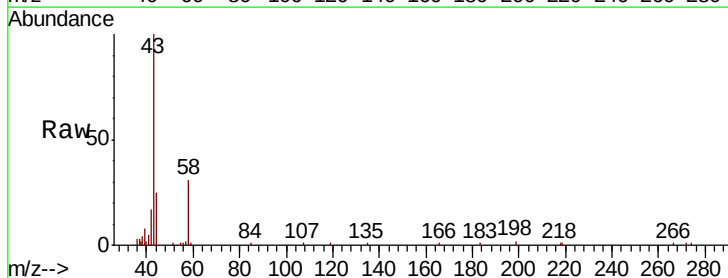
Instrument :
 MSVOA_L
 ClientSampleId :

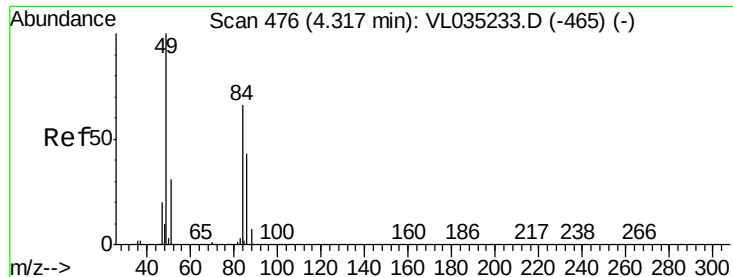
Tot Ion: 49 Resp: 1324161
 Ion Ratio Lower Upper
 49 100
 128 50.4 24.0 72.0
 130 63.6 30.7 92.1



#15
 Acetone
 Concen: 0.239 ppbv
 RT: 3.84 min Scan# 327
 Delta R.T. 0.02 min
 Lab File: VL035241.D
 Acq: 29 Jul 2020 10:44

Tgt Ion: 43 Resp: 42267
 Ion Ratio Lower Upper
 43 100
 58 45.9 21.8 32.6#

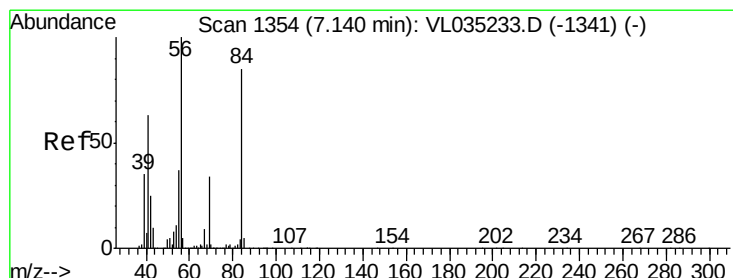
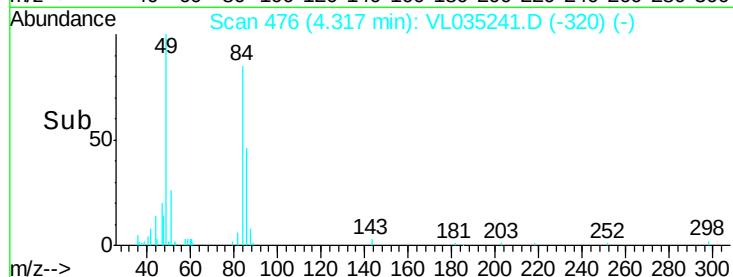
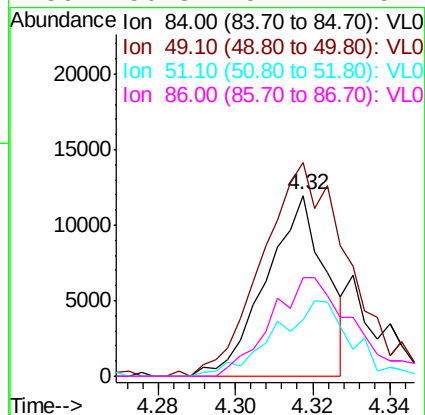
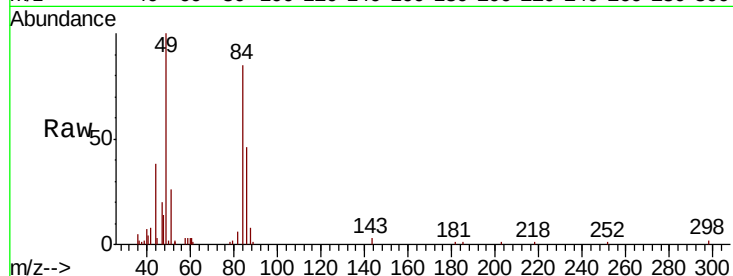




#20
Methylene Chloride
Concen: 0.159 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.00 min
Lab File: VL035241.D
Acq: 29 Jul 2020 10:44

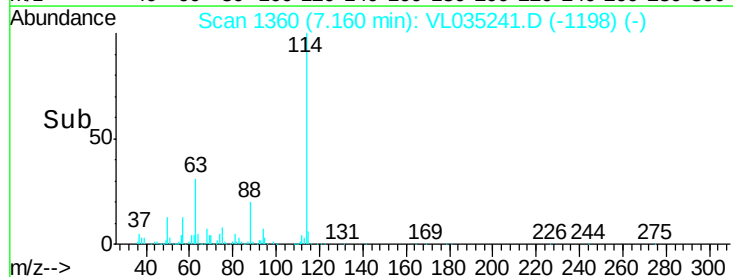
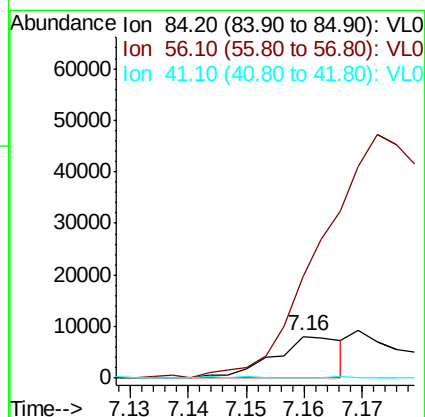
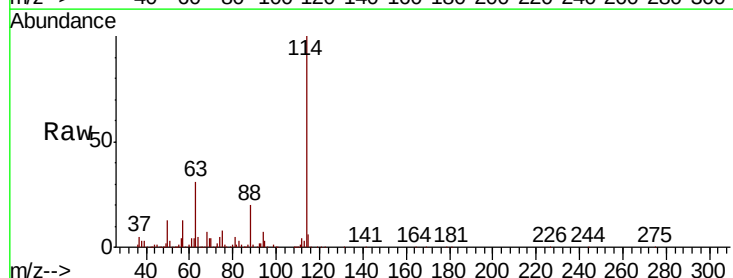
Instrument :
MSVOA_L
ClientSampleId :

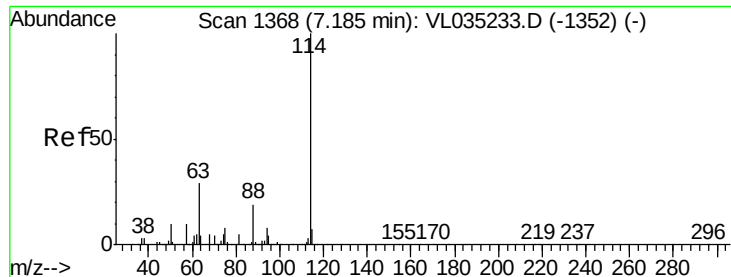
Tot Ion: 84 Resp: 12781
Ion Ratio Lower Upper
84 100
49 126.1 121.0 181.4
51 32.3 37.7 56.5#
86 56.8 52.2 78.4



#30
Cyclohexane
Concen: 0.075 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VL035241.D
Acq: 29 Jul 2020 10:44

Tgt Ion: 84 Resp: 6688
Ion Ratio Lower Upper
84 100
56 0.0 104.2 156.2#
41 0.0 63.7 95.5#

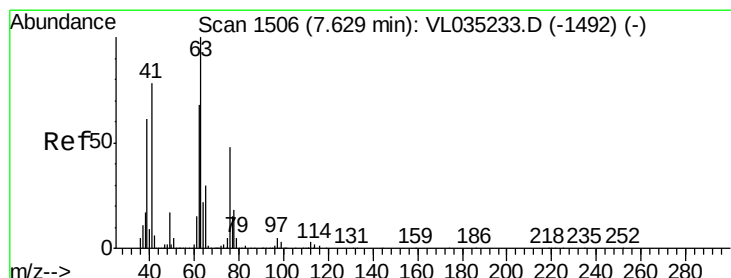
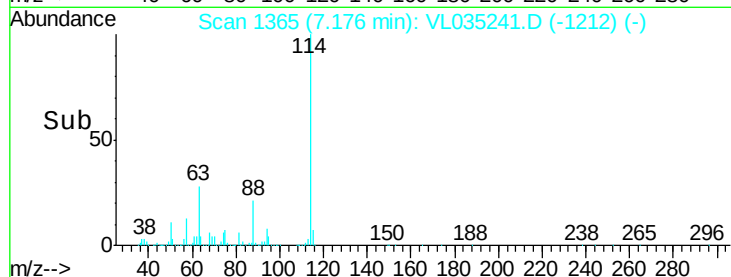
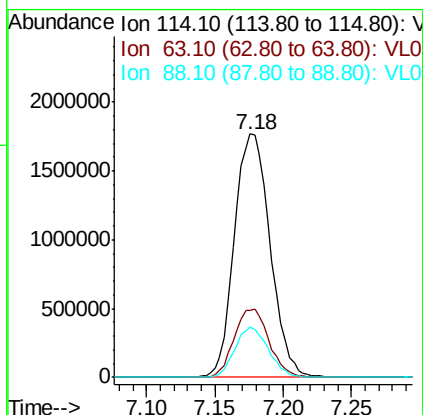
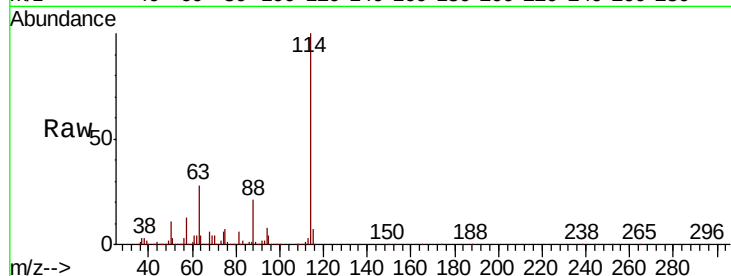




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VL035241.D
 Acq: 29 Jul 2020 10:44

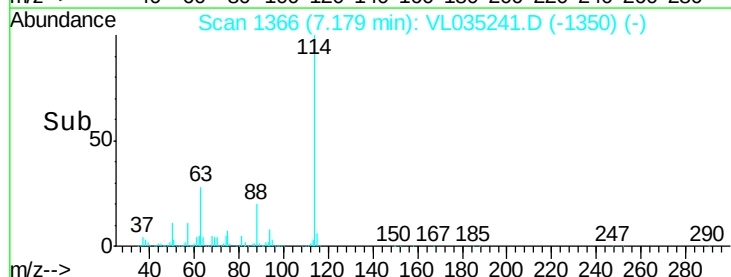
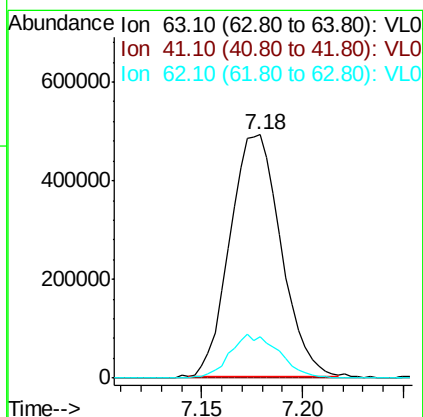
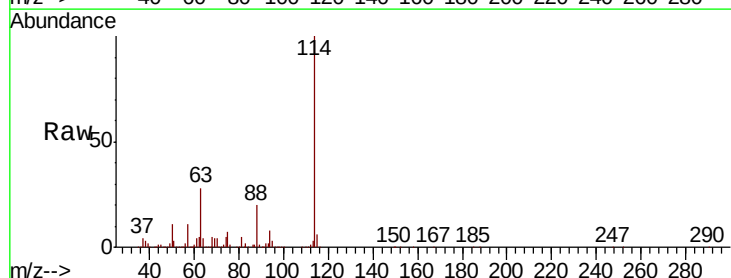
Instrument :
 MSVOA_L
 ClientSampleId :

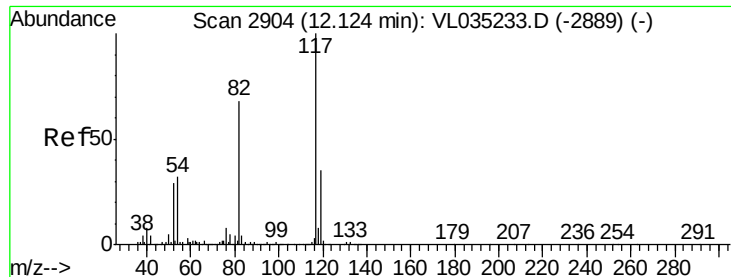
Tot Ion:114 Resp: 3229113
 Ion Ratio Lower Upper
 114 100
 63 27.6 22.2 33.2
 88 19.5 15.4 23.0



#39
 1,2-Dichloropropane
 Concen: 9.608 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.45 min
 Lab File: VL035241.D
 Acq: 29 Jul 2020 10:44

Tgt Ion: 63 Resp: 860264
 Ion Ratio Lower Upper
 63 100
 41 0.0 62.2 93.4#
 62 17.2 54.2 81.2#

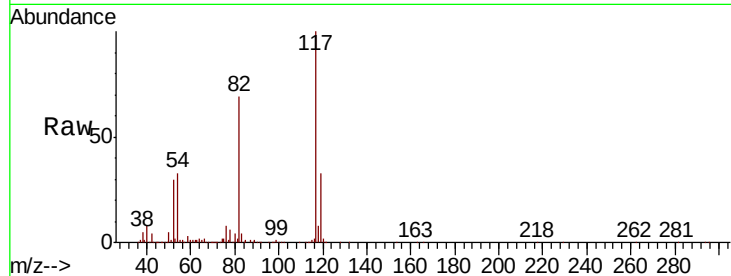




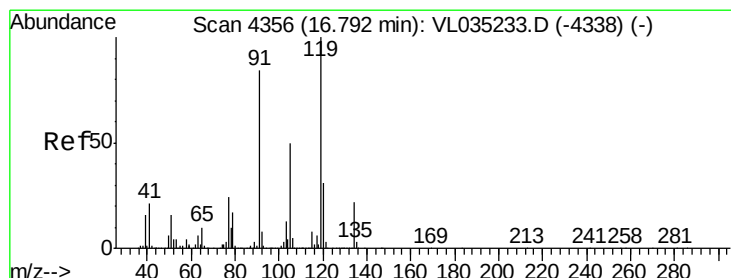
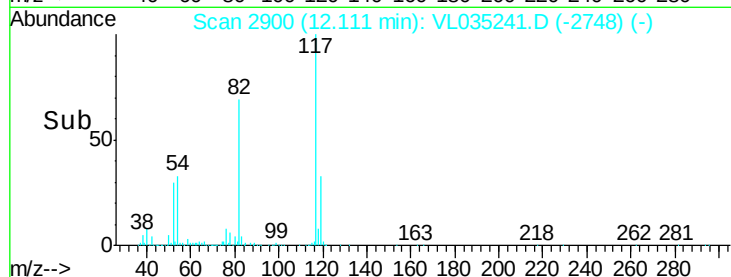
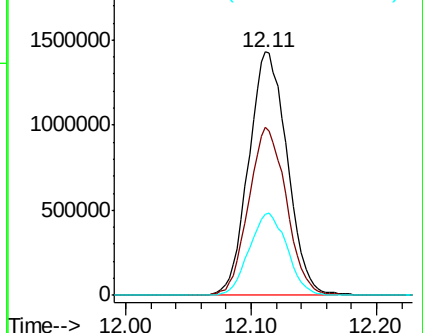
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.01 min
Lab File: VL035241.D
Acq: 29 Jul 2020 10:44

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 3053072
Ion Ratio Lower Upper
117 100
82 68.4 52.4 78.6
119 33.4 24.6 36.8

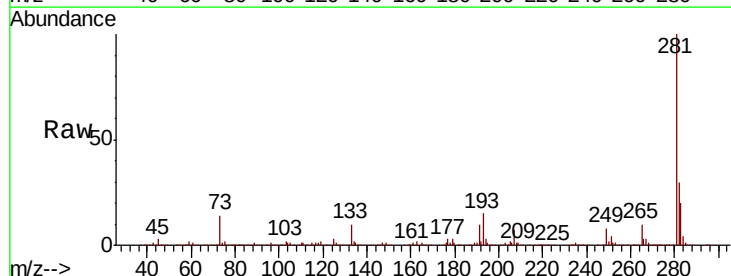


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

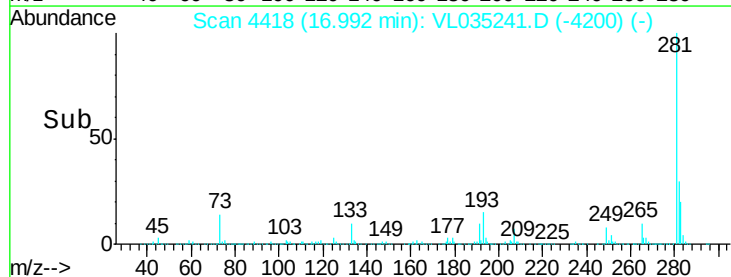
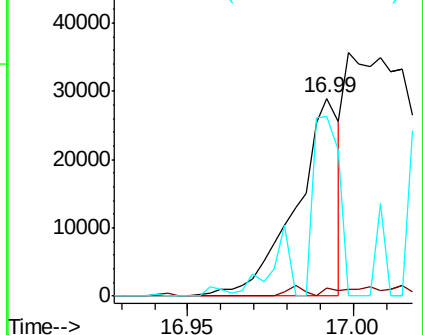


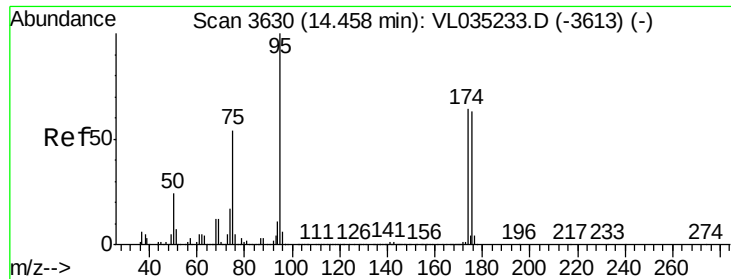
#65
tert-Butylbenzene
Concen: 0.066 ppbv
RT: 16.99 min Scan# 4418
Delta R.T. 0.20 min
Lab File: VL035241.D
Acq: 29 Jul 2020 10:44

Tgt Ion:119 Resp: 26629
Ion Ratio Lower Upper
119 100
91 0.4 68.0 102.0#
134 70.5 16.3 24.5#



Abundance Ion 119.20 (118.90 to 119.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 134.20 (133.90 to 134.90): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.994 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. -0.01 min

Lab File: VL035241.D

Acq: 29 Jul 2020 10:44

Instrument :

MSVOA_L

ClientSampleId :

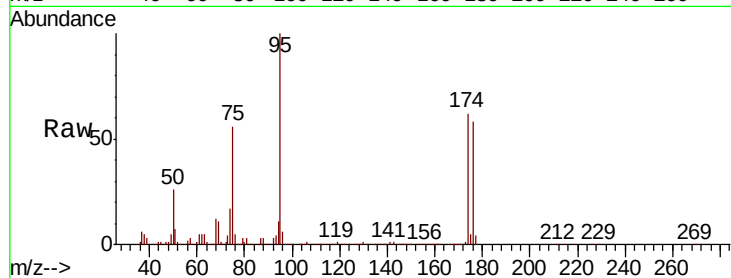
Tot Ion: 95 Resp: 2438176

Ion Ratio Lower Upper

95 100

174 65.2 52.7 79.1

175 4.8 3.9 5.9



Abundance Ion 95.10 (94.80 to 95.80): VL0

1500000 Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

