

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031219\
 Data File : VL033283.D
 Acq On : 12 Mar 2019 14:25
 Operator : SY/AP
 Sample : 0.4 PPB MDL
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 5:06:00 AM

Quant Time: Mar 13 08:43:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar 14 08:43:42 2019
 QLast Update : Wed Mar 13 07:17:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	869759	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1958569	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1924613	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1516841	10.21	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.67	45	9209m	0.574	ppbv	
40) 1,4-Dioxane	8.00	88	11667m	0.456	ppbv	
66) Benzyl Chloride	17.15	91	26640m	0.275	ppbv	
80) Naphthalene,2-methyl-	25.12	142	4200	0.064	ppbv #	80

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

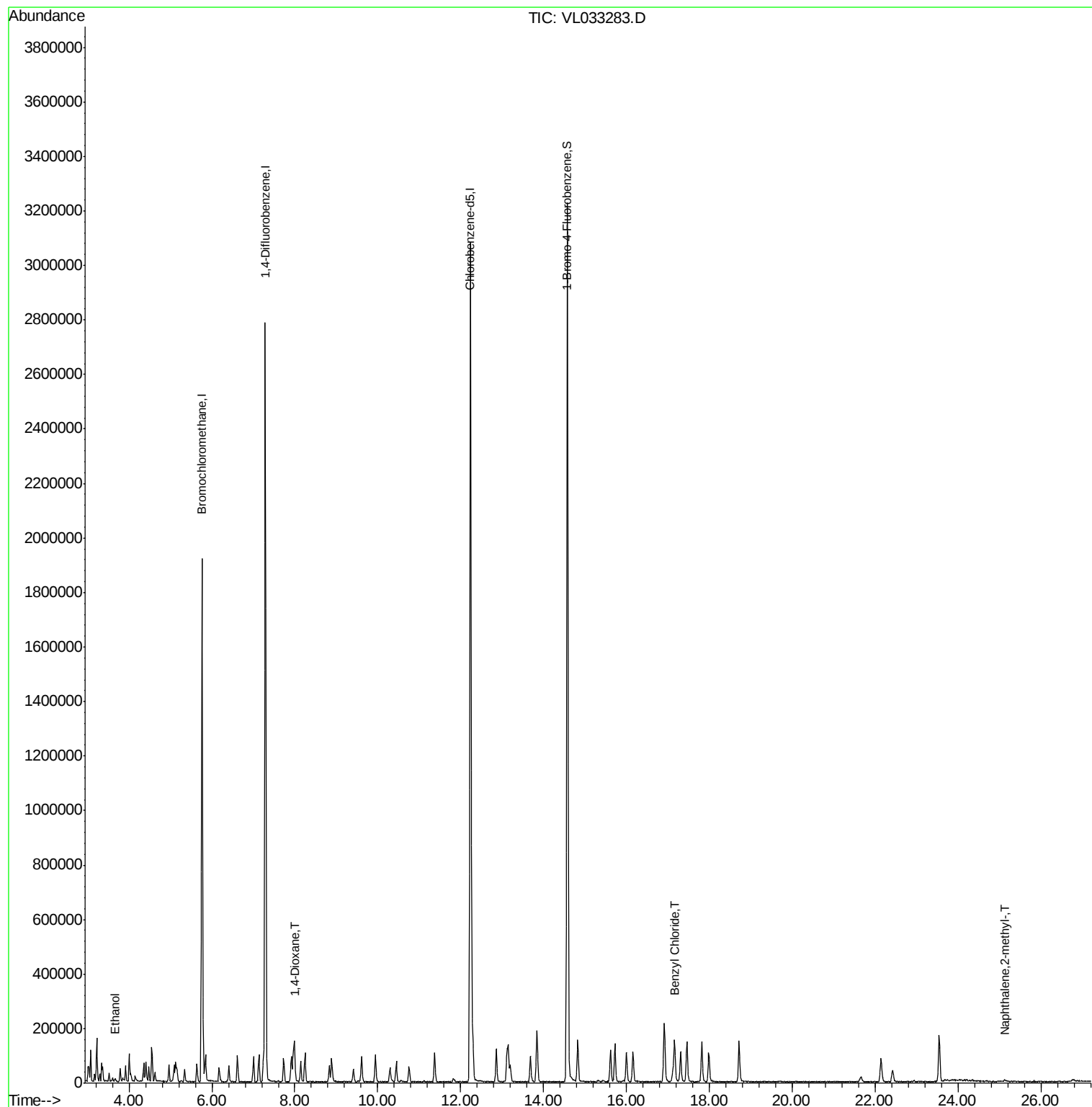
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL031219\
Data File : VL033283.D
Acq On : 12 Mar 2019 14:25
Operator : SY/AP
Sample : 0.4 PPB MDL
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

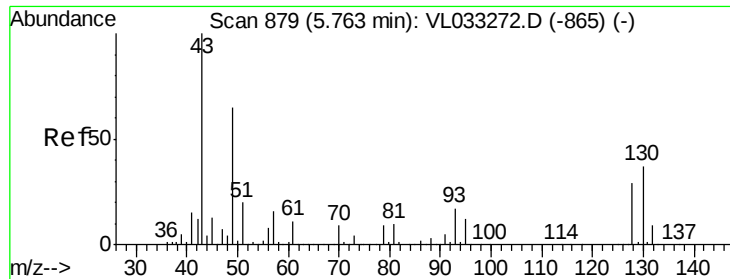
Instrument :
MSVOA_L
ClientSampleId :
0.4 PPB MDL

Manual Integrations
APPROVED

MMDadoda
3/14/2019 5:06:00 AM

Quant Time: Mar 13 08:43:42 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar
QLast Update : Wed Mar 13 07:17:55 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033283.D

Acq: 12 Mar 2019 14:25

Instrument :

MSVOA_L

ClientSampleId :

0.4 PPB MDL

Tgt Ion: 49 Resp: 869759
Ion Ratio Lower Upper

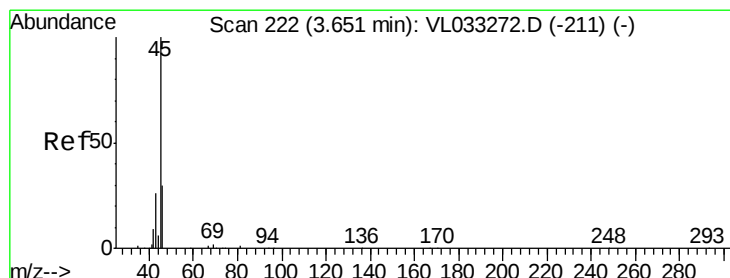
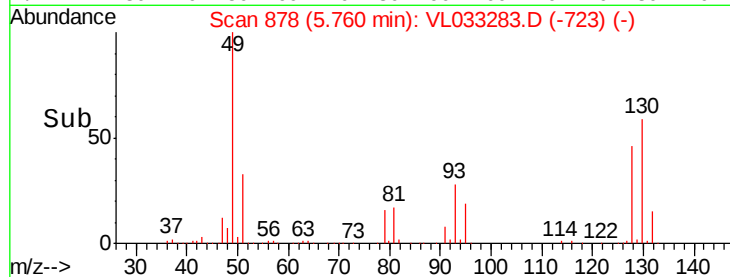
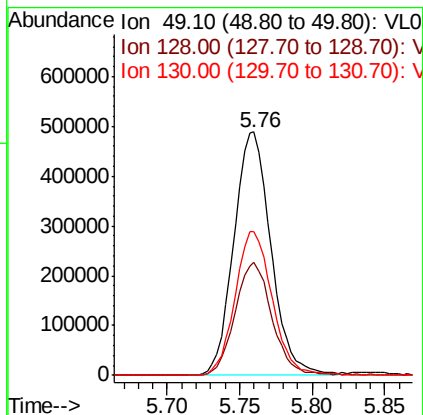
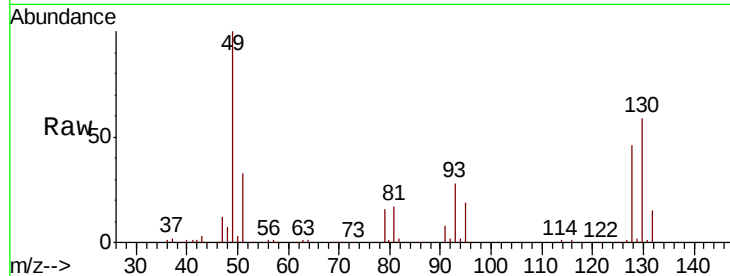
49 100

128 46.6 23.3 69.9

130 59.7 30.0 90.1

Manual Integrations
APPROVED

MMDadoda
3/14/2019 5:06:00 AM



#13

Ethanol

Concen: 0.574 ppbv m

RT: 3.67 min Scan# 227

Delta R.T. 0.02 min

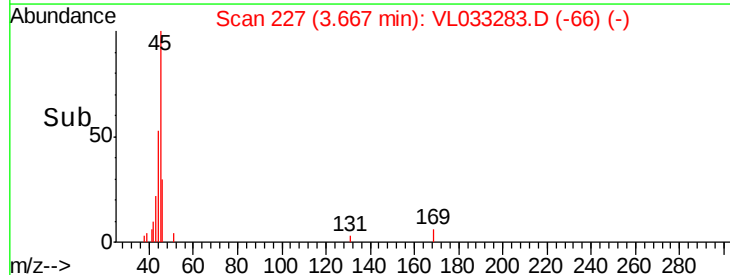
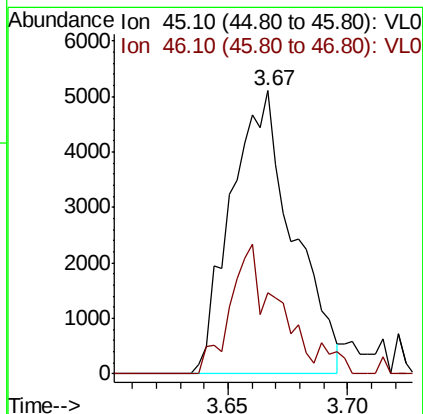
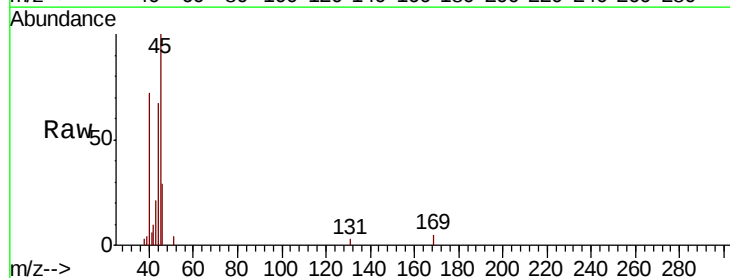
Lab File: VL033283.D

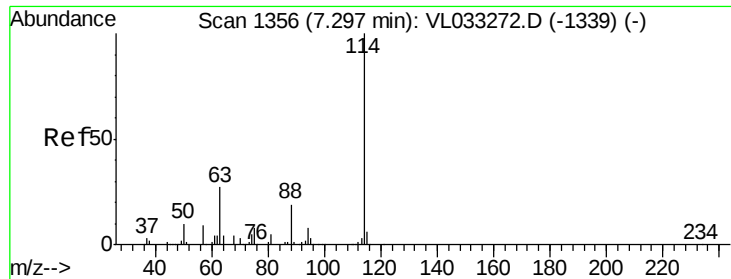
Acq: 12 Mar 2019 14:25

Tgt Ion: 45 Resp: 9209
Ion Ratio Lower Upper

45 100

46 37.7 13.9 55.7





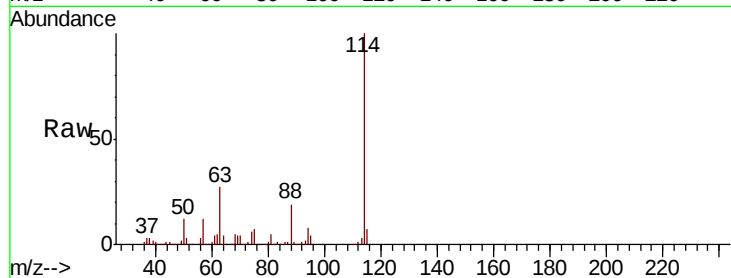
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033283.D
 Acq: 12 Mar 2019 14:25

Instrument :
 MSVOA_L
 ClientSampled :
 0.4 PPB MDL

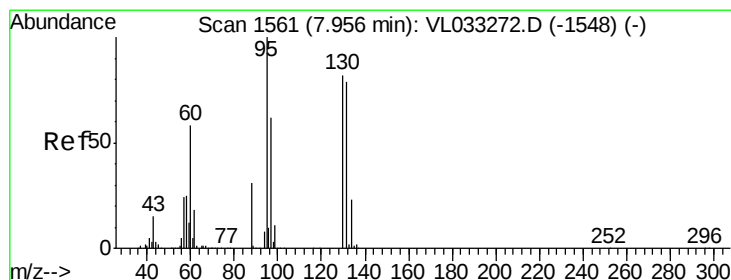
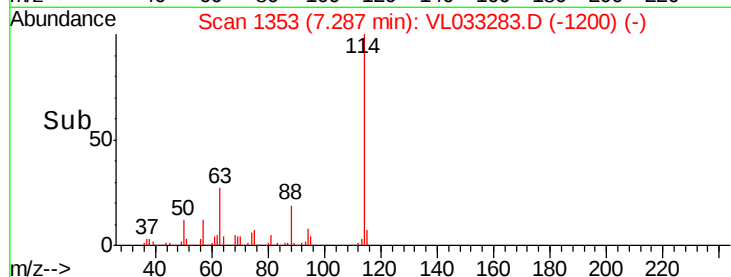
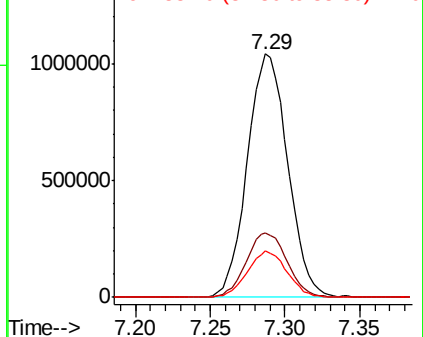
Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.0	21.5	32.3
88	18.7	14.6	22.0

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 5:06:00 AM



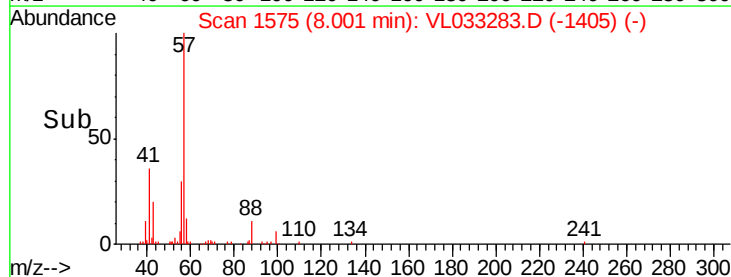
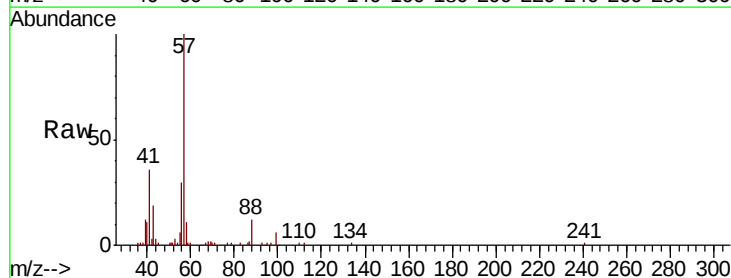
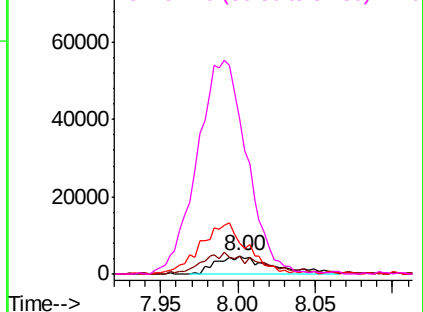
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

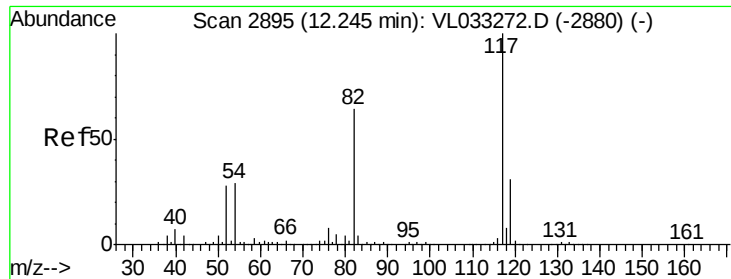


#40
 1,4-Dioxane
 Concen: 0.456 ppbv m
 RT: 8.00 min Scan# 1575
 Delta R.T. 0.05 min
 Lab File: VL033283.D
 Acq: 12 Mar 2019 14:25

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	107.0	160.6#
43	0.0	230.2	345.4#
57	0.0	1014.9	1522.3#

Abundance Ion 88.10 (87.80 to 88.80): VL0
 Ion 58.10 (57.80 to 58.80): VL0
 Ion 43.10 (42.80 to 43.80): VL0
 Ion 57.10 (56.80 to 57.80): VL0





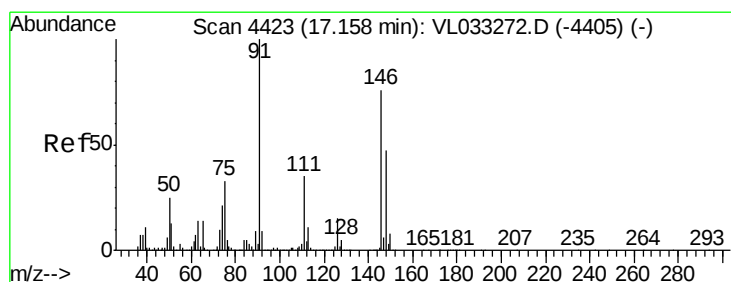
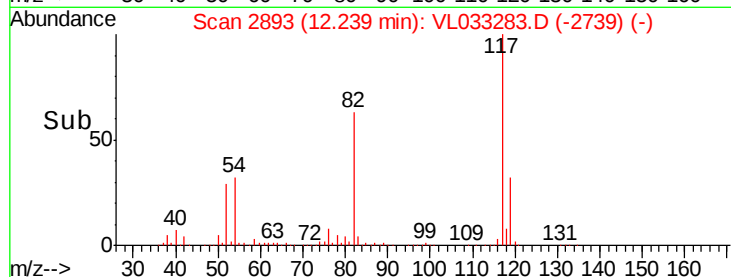
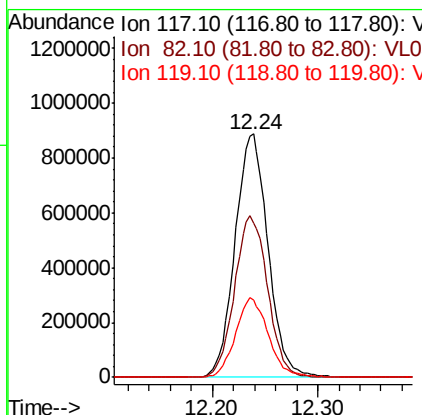
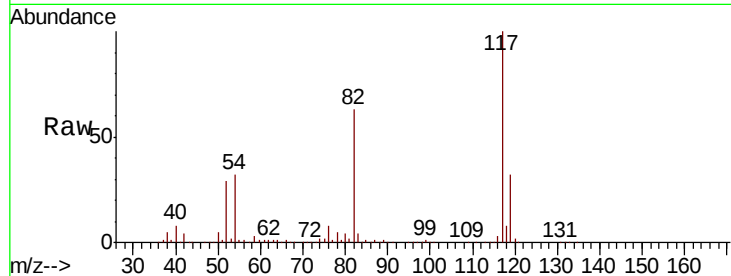
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033283.D
Acq: 12 Mar 2019 14:25

Instrument :
MSVOA_L
ClientSampleId :
0.4 PPB MDL

Tgt Ion	Ratio	Lower	Upper
117	100		
82	67.0	51.1	76.7
119	32.8	43.6	65.4

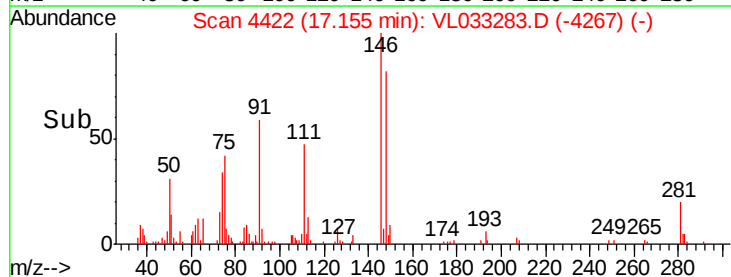
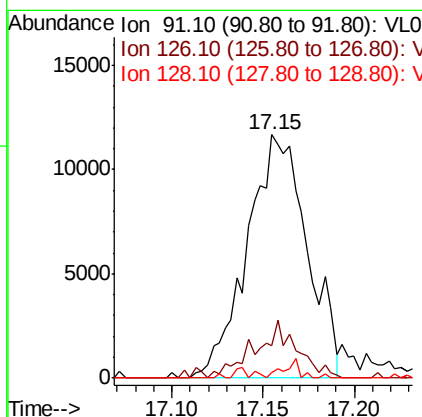
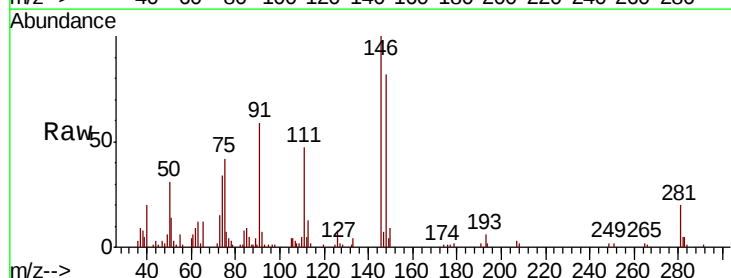
Manual Integrations
APPROVED

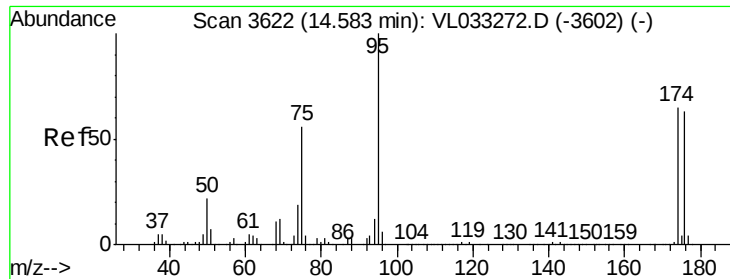
MMDadoda
3/14/2019 5:06:00 AM



#66
Benzyl Chloride
Concen: 0.275 ppbv m
RT: 17.15 min Scan# 4422
Delta R.T. -0.00 min
Lab File: VL033283.D
Acq: 12 Mar 2019 14:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	17.4	13.0	19.6
128	0.0	4.3	6.5





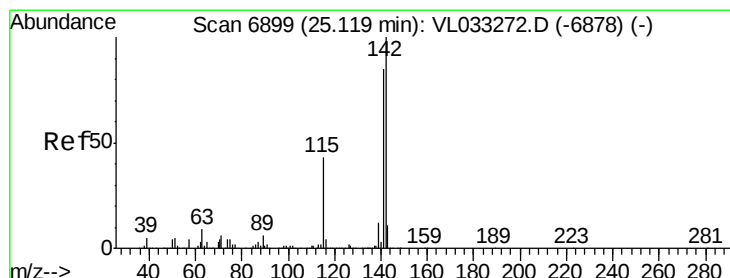
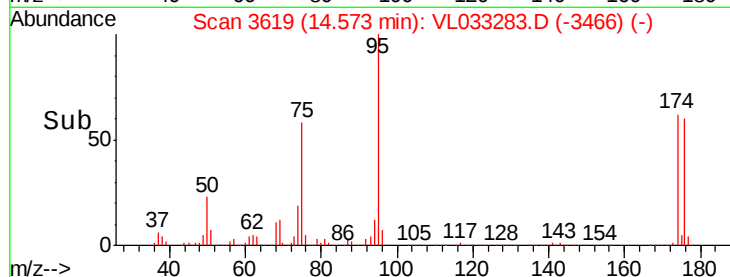
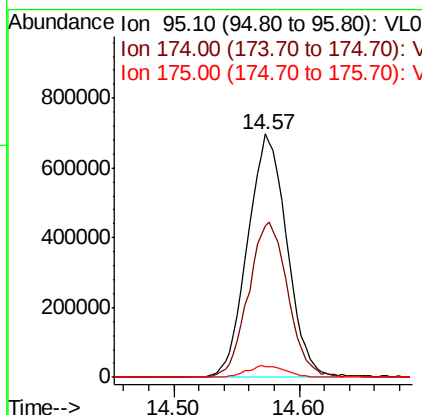
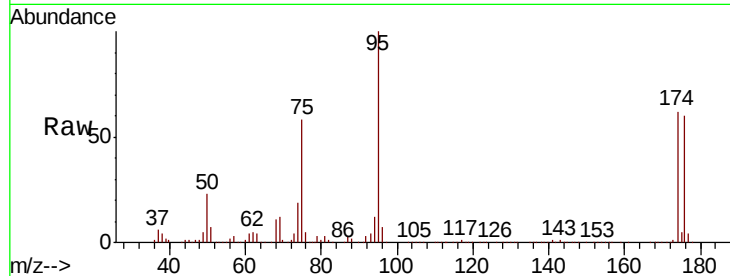
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.206 ppbv
 RT: 14.57 min Scan# 3619
 Delta R.T. -0.01 min
 Lab File: VL033283.D
 Acq: 12 Mar 2019 14:25

Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

Tgt Ion: 95 Resp: 1516841
 Ion Ratio Lower Upper
 95 100
 174 64.9 51.7 77.5
 175 4.7 3.7 5.5

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 5:06:00 AM



#80
 Naphthalene, 2-methyl-
 Concen: 0.064 ppbv
 RT: 25.12 min Scan# 6899
 Delta R.T. 0.00 min
 Lab File: VL033283.D
 Acq: 12 Mar 2019 14:25

Tgt Ion: 142 Resp: 4200
 Ion Ratio Lower Upper
 142 100
 141 103.0 68.0 102.0#
 115 54.6 33.8 50.6#

