

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031519\
 Data File : VL033338.D
 Acq On : 15 Mar 2019 19:40
 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
 3/19/2019 9:59:35 AM

Quant Time: Mar 16 04:16:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 16 04:16:56 2019
 QLast Update : Fri Mar 15 14:52:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	754220	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1767824	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	1848623	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1411355	10.30	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.02	51	41819	0.483	ppbv	98
13) Ethanol	3.66	45	13152	0.714	ppbv	95
40) 1,4-Dioxane	8.00	88	10385m	0.498	ppbv	
66) Benzyl Chloride	17.16	91	31795	0.280	ppbv	99
80) Naphthalene,2-methyl-	25.12	142	36883	0.314	ppbv	96

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

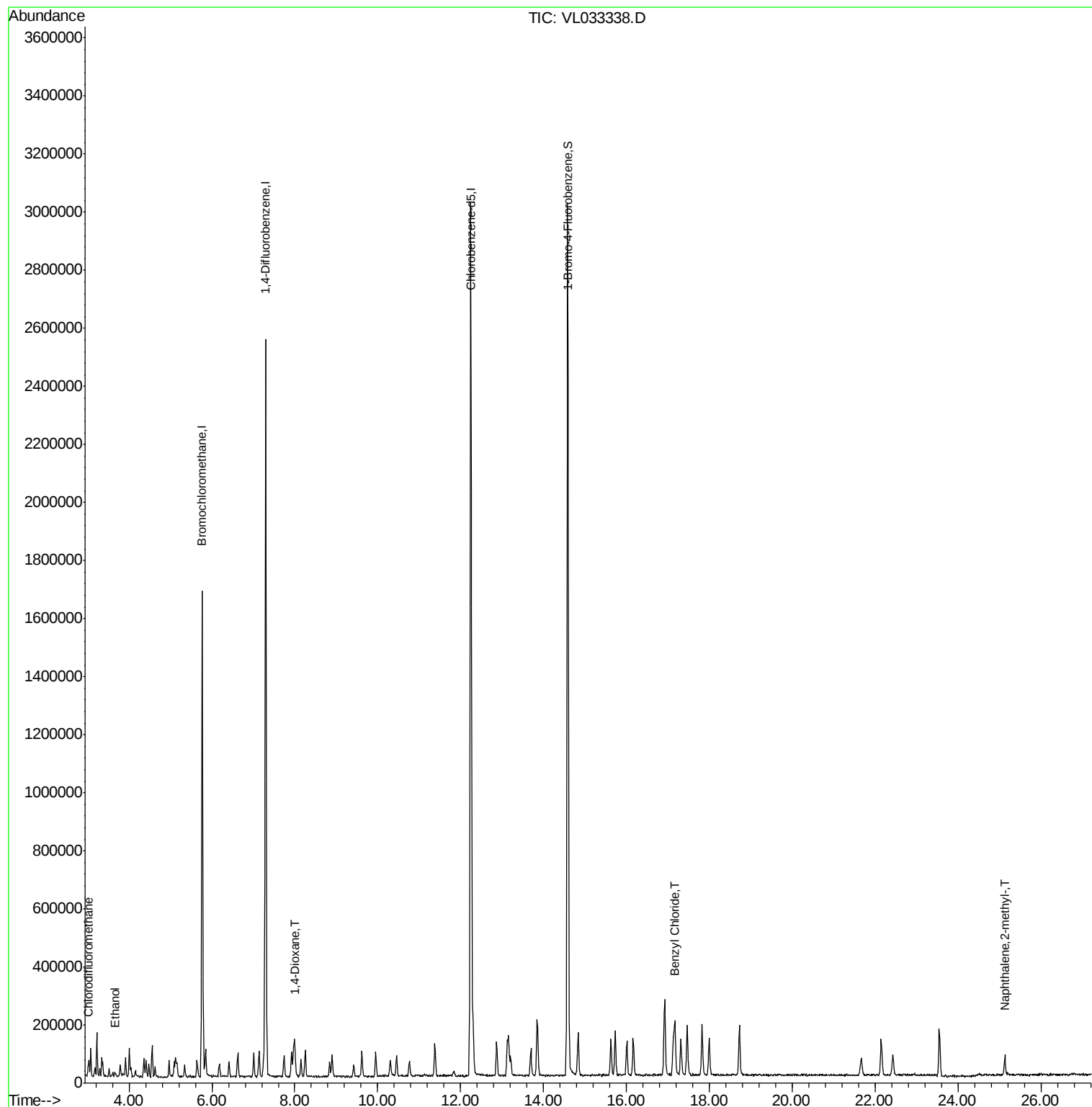
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL031519\
Data File : VL033338.D
Acq On : 15 Mar 2019 19:40
Operator : SY/AP
Sample : 0.4 PPB MDL
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

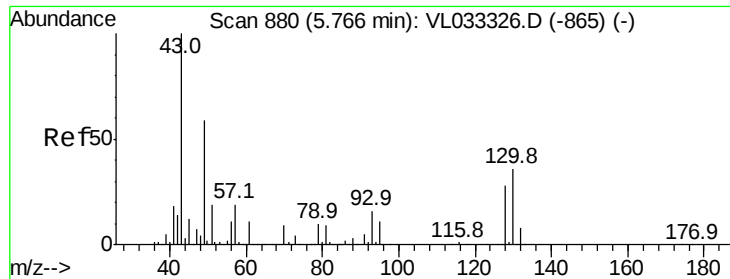
Instrument :
MSVOA_L
ClientSampled :
0.4 PPB MDL

Manual Integrations
APPROVED

MMDadoda
3/19/2019 9:59:35 AM

Quant Time: Mar 16 04:16:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.00 min

Lab File: VL033338.D

Acq: 15 Mar 2019 19:40

Instrument :

MSVOA_L

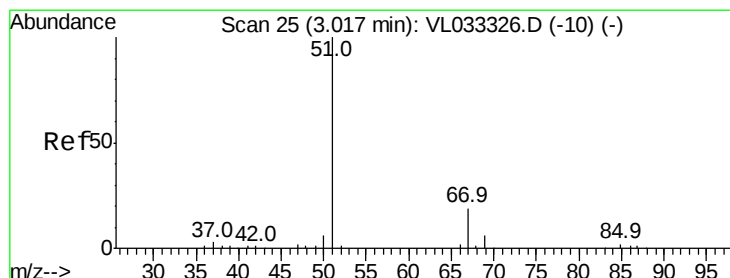
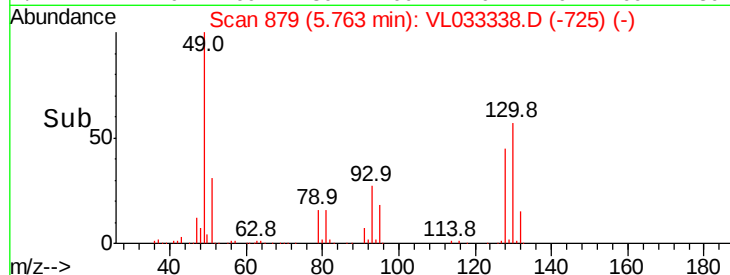
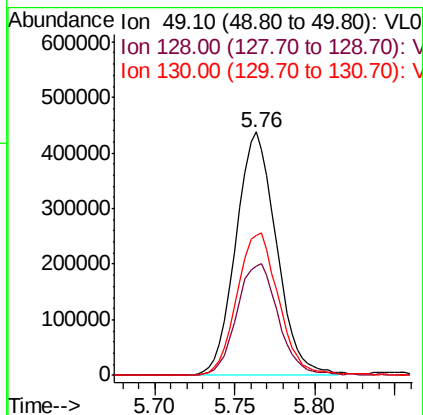
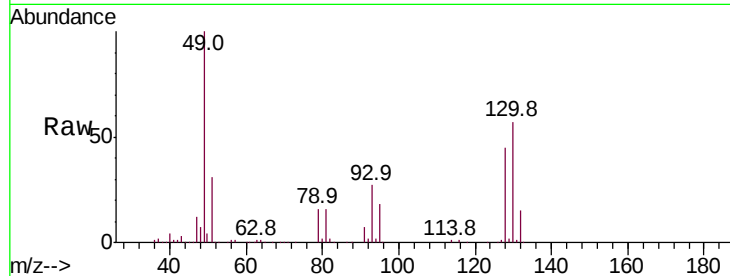
ClientSampleId :

0.4 PPB MDL

Tot Ion:	49	Resp:	754220
Ion Ratio	Lower	Upper	
49	100		
128	47.4	23.5	70.6
130	61.0	30.1	90.3

Manual Integrations
APPROVED

MMDadoda
3/19/2019 9:59:35 AM



#3

Chlorodifluoromethane

Concen: 0.483 ppbv

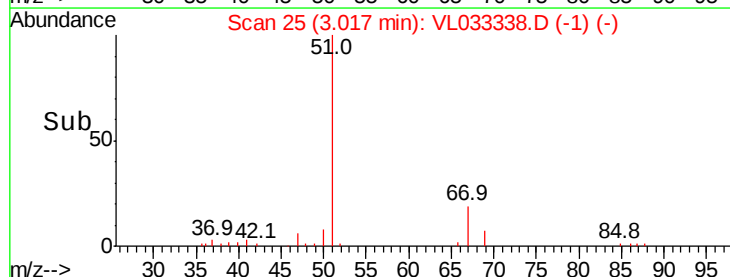
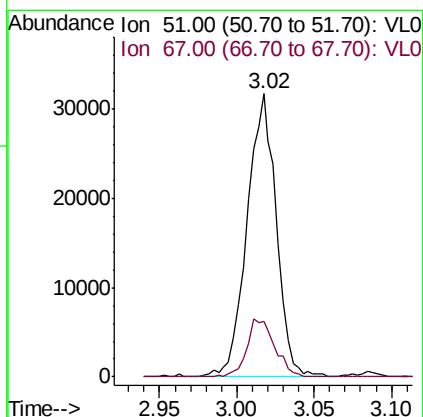
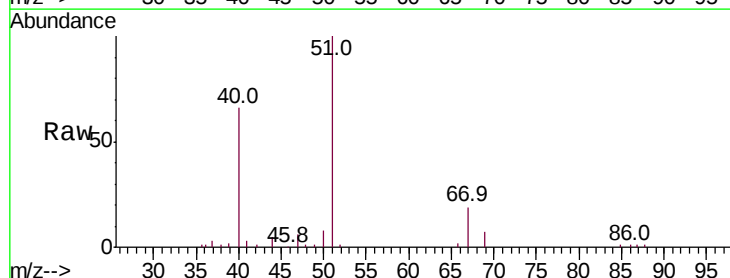
RT: 3.02 min Scan# 25

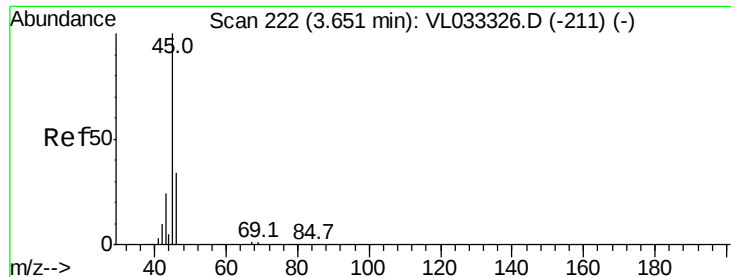
Delta R.T. -0.00 min

Lab File: VL033338.D

Acq: 15 Mar 2019 19:40

Tgt Ion:	51	Resp:	41819
Ion Ratio	Lower	Upper	
51	100		
67	19.4	14.9	22.3





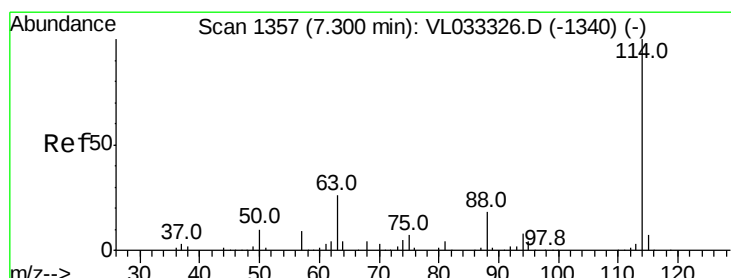
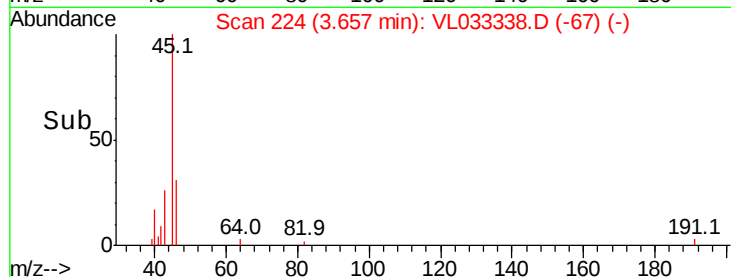
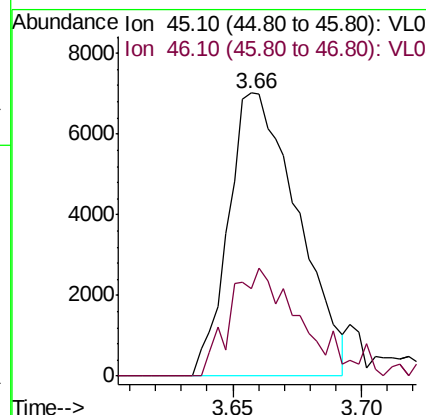
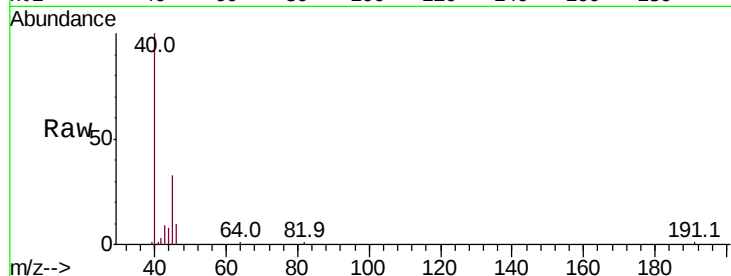
#13
Ethanol
Concen: 0.714 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.01 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument :
MSVOA_L
ClientSampleId :
0.4 PPB MDL

Tot Ion	45	46	Ratio	100	40.1	Resp	13152	Lower	Upper
45	100								
46		40.1					14.9	59.7	

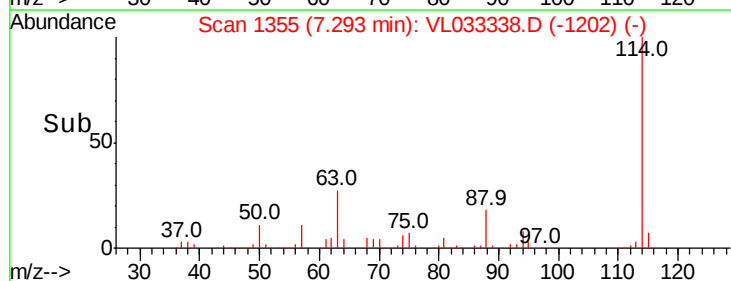
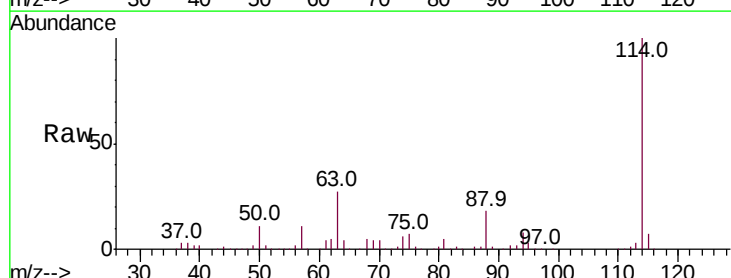
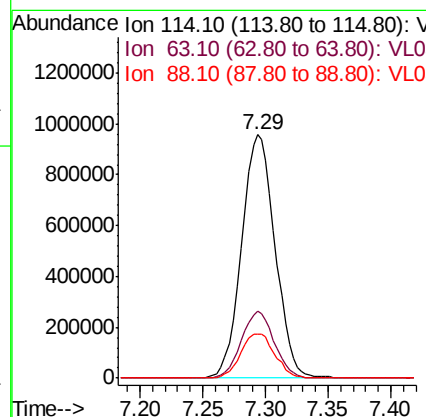
Manual Integrations
APPROVED

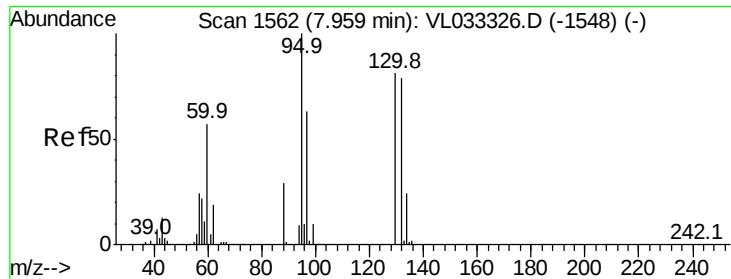
MMDadoda
3/19/2019 9:59:35 AM



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.01 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion	114	63	88	Ratio	100	27.2	18.8	Lower	Upper
114	100								
63		27.2				21.4	32.2		
88		18.8				14.5	21.7		





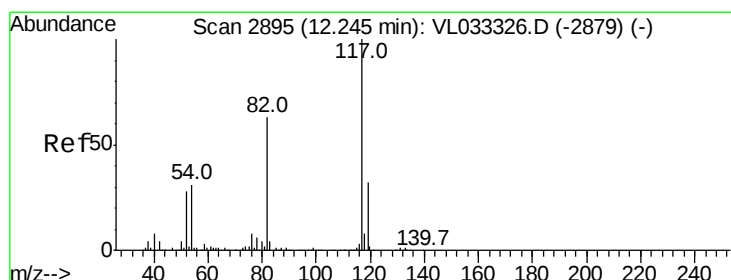
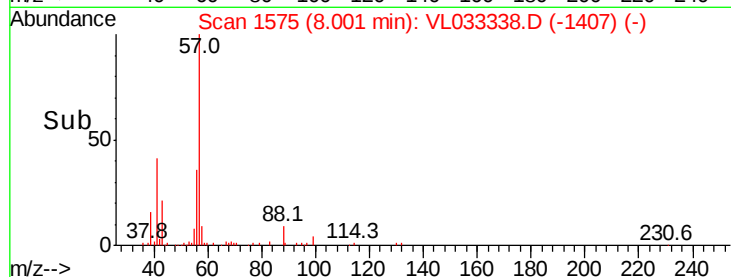
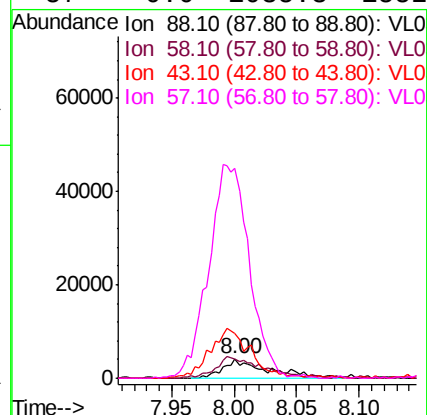
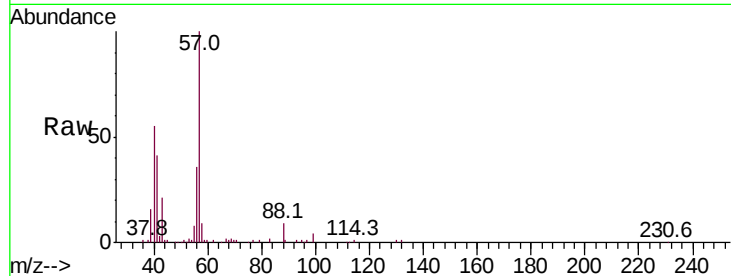
#40
1,4-Dioxane
Concen: 0.498 ppbv m
RT: 8.00 min Scan# 1575
Delta R.T. 0.04 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument :
MSVOA_L
ClientSampleId :
0.4 PPB MDL

Tot Ion	Ratio	Lower	Upper
88	100		
58	0.0	107.9	161.9#
43	0.0	230.8	346.2#
57	0.0	1035.3	1552.9#

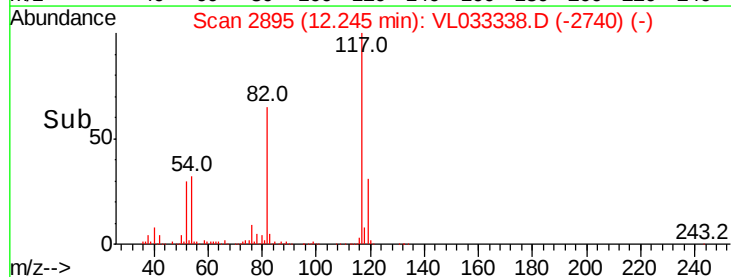
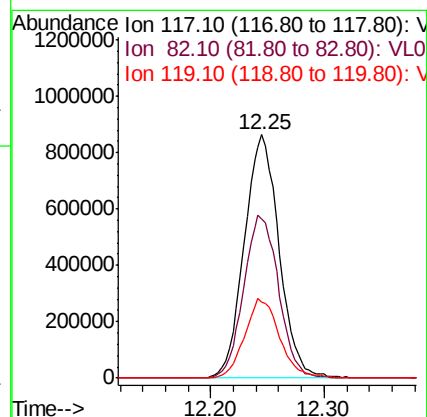
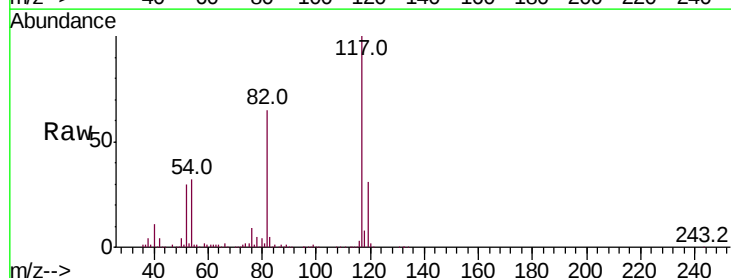
Manual Integrations
APPROVED

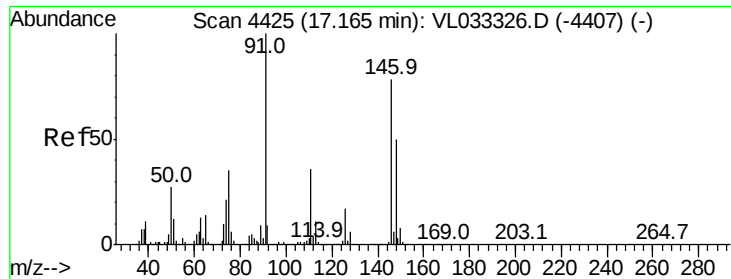
MMDadoda
3/19/2019 9:59:35 AM



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion	Ratio	Lower	Upper
117	100		
82	67.4	53.4	80.2
119	32.9	27.3	40.9





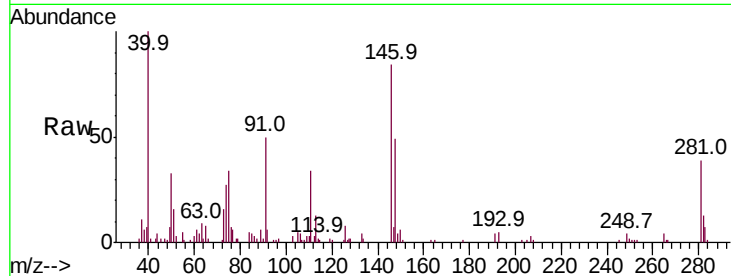
#66
Benzyl Chloride
Concen: 0.280 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument :
MSVOA_L
ClientSampleId :
0.4 PPB MDL

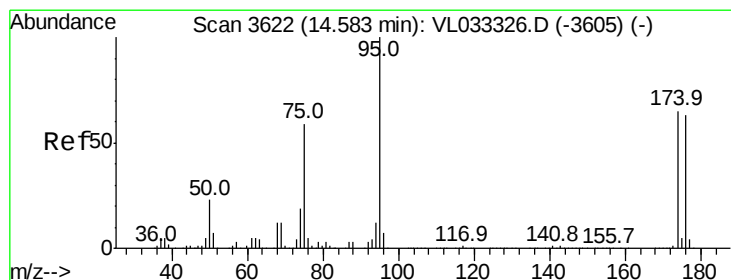
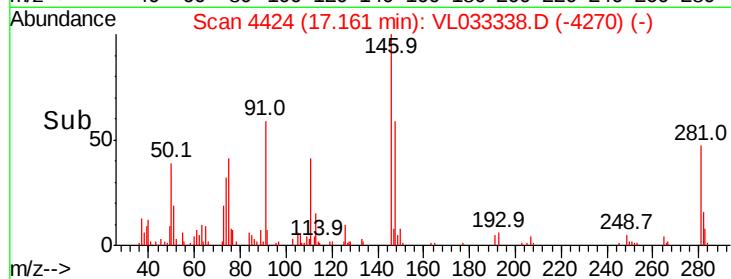
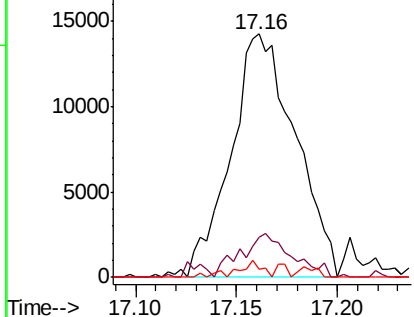
Tot Ion	Ratio	Resp	Lower	Upper
91	100	31795		
126	16.3		13.2	19.8
128	4.5		4.2	6.4

Manual Integrations
APPROVED

MMDadoda
3/19/2019 9:59:35 AM

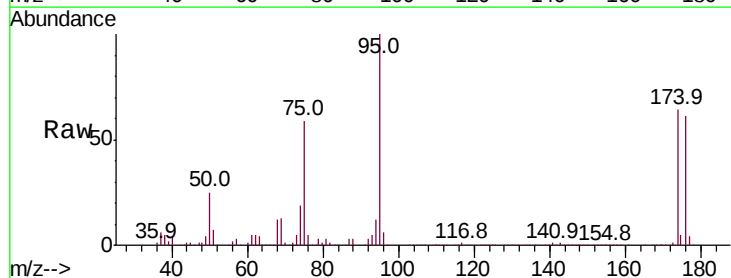


Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V

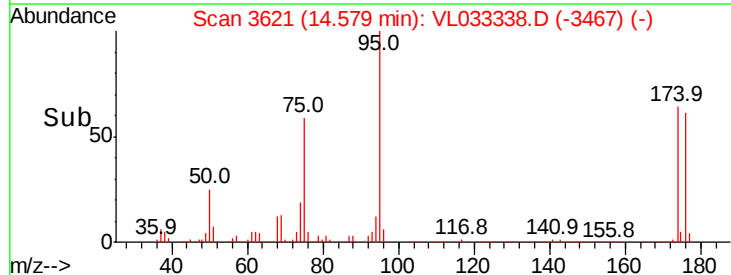
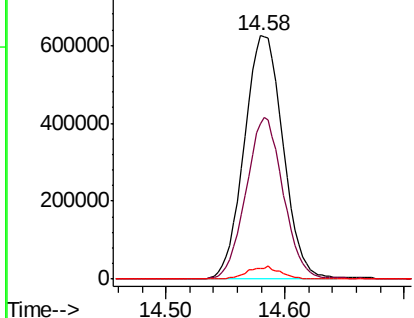


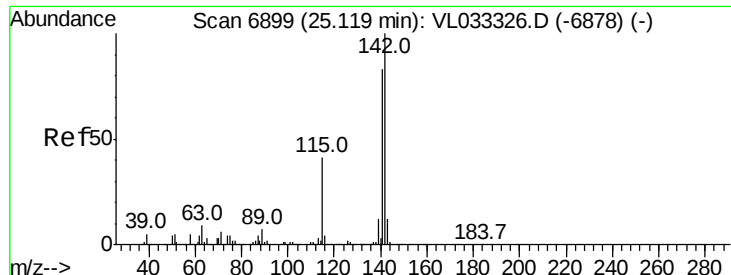
#68
1-Bromo-4-Fluorobenzene
Concen: 10.303 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	1411355		
174	64.1		51.5	77.3
175	4.6		3.8	5.6



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





#80
 Naphthalene, 2-methyl-
 Concen: 0.314 ppbv
 RT: 25.12 min Scan# 6900
 Delta R.T. 0.00 min
 Lab File: VL033338.D
 Acq: 15 Mar 2019 19:40

Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 PPB MDL

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.2	67.1	100.7
115	46.7	33.8	50.6

Manual Integrations
 APPROVED

MMDadoda
 3/19/2019 9:59:35 AM

