

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052819\
 Data File : VL033837.D
 Acq On : 29 May 2019 14:20
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Manual Integrations
 APPROVED

apatel
 5/30/2019 3:34:29 PM

Quant Time: May 30 02:02:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 1
 QLast Update : Fri May 17 08:15:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	879401	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2444937	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.23	117	2266870	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1779622	9.68	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.29	62	4440m	0.076	ppbv	
9) Propene	3.03	41	9810	0.229	ppbv	84
15) Acetone	3.92	43	58201	0.477	ppbv	96
32) 1,1,1-Trichloroethane	6.61	97	10635	0.063	ppbv	93
35) Carbon Tetrachloride	7.12	117	11111m	0.057	ppbv	
52) Tetrachloroethene	11.37	164	5556m	0.071	ppbv	

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

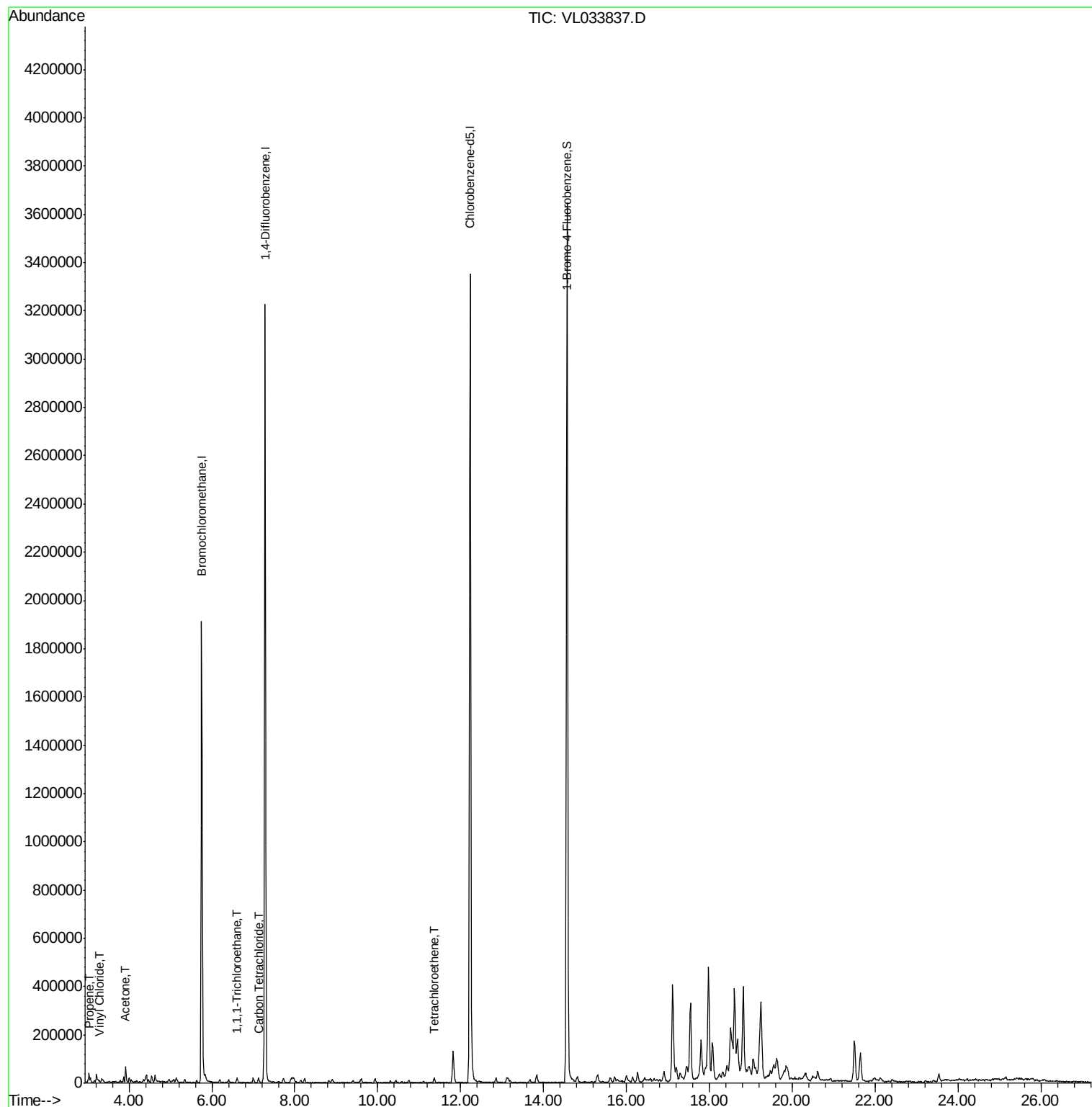
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052819\
Data File : VL033837.D
Acq On : 29 May 2019 14:20
Operator : SY/AP
Sample : VIBLK
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

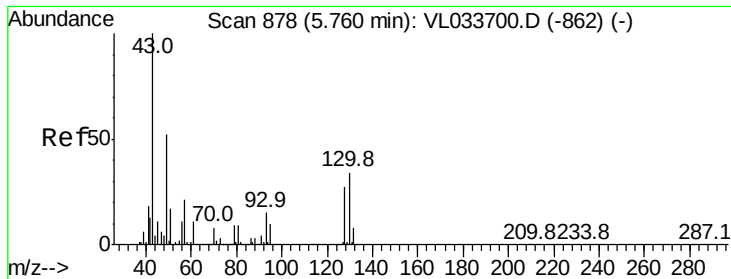
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Manual Integrations
APPROVED

apatel
5/30/2019 3:34:29 PM

Quant Time: May 30 02:02:58 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 876

Delta R.T. -0.01 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

Instrument :

MSVOA_L

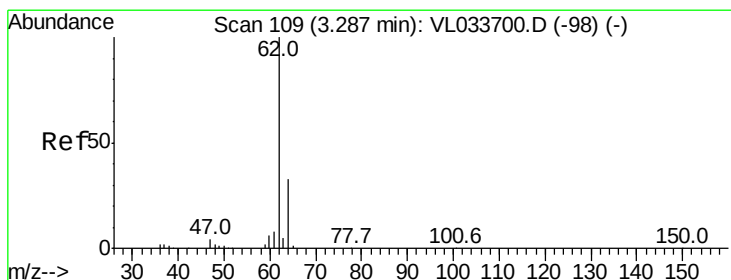
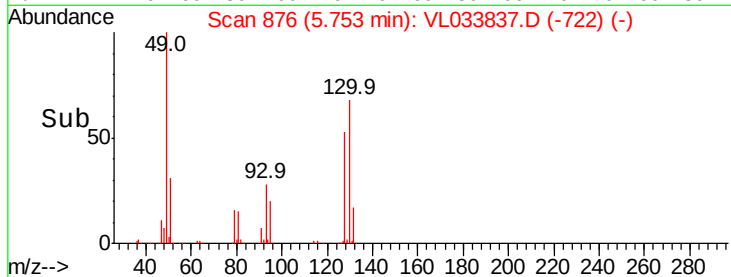
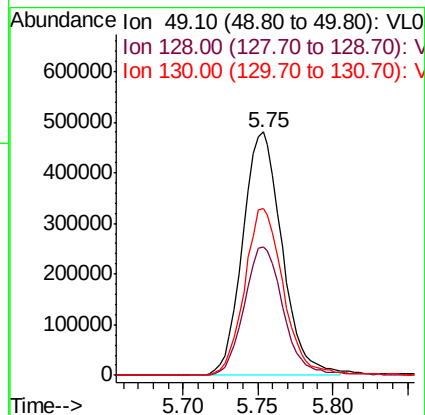
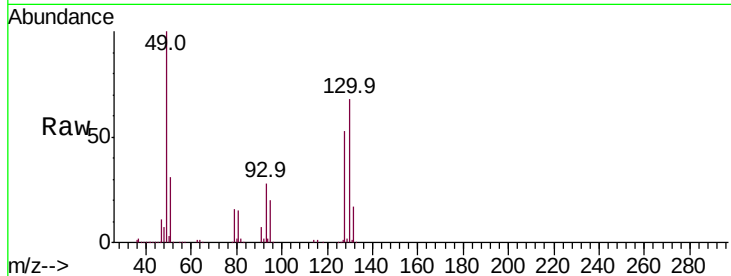
ClientSampled :

VIBLK

Tot Ion:	49	Resp:	879401
Ion	Ratio	Lower	Upper
49	100		
128	52.8	25.2	75.6
130	68.4	32.5	97.5

Manual Integrations
APPROVED

apatel
5/30/2019 3:34:29 PM



#5

Vinyl Chloride

Concen: 0.076 ppbv m

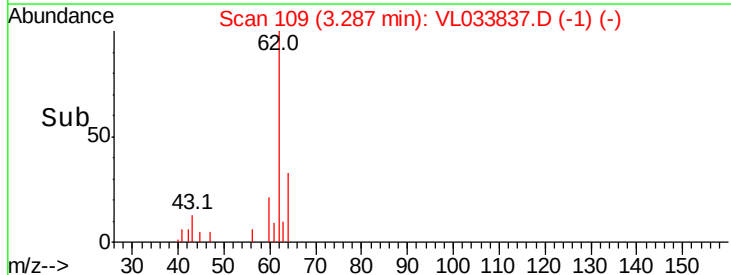
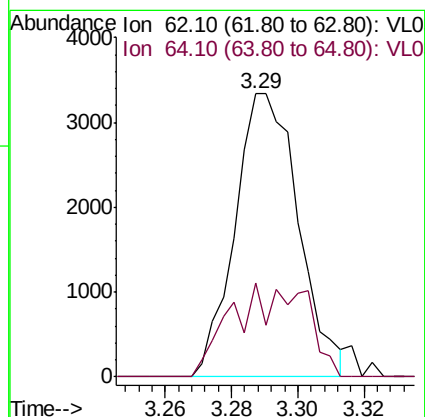
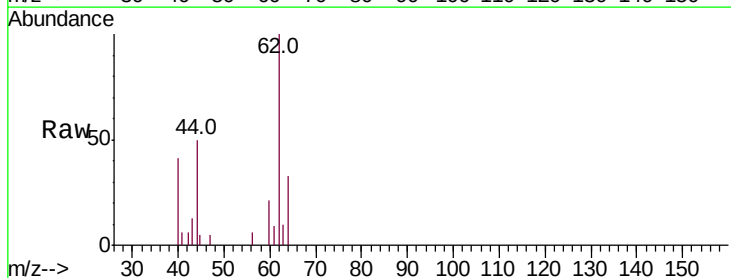
RT: 3.29 min Scan# 109

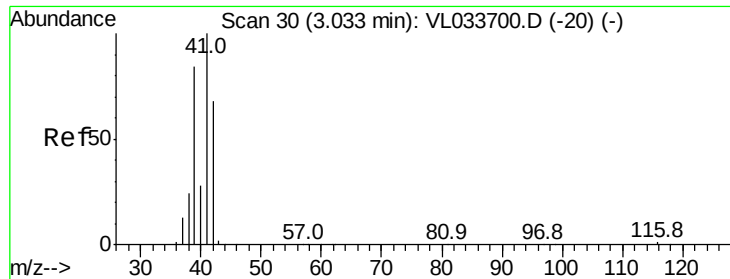
Delta R.T. 0.00 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

Tgt Ion:	62	Resp:	4440
Ion	Ratio	Lower	Upper
62	100		
64	33.1	26.4	39.6





#9

Propene

Concen: 0.229 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

Instrument :

MSVOA_L

ClientSampled :

VIBLK

Tot Ion: 41 Resp: 9810

Ion Ratio Lower Upper

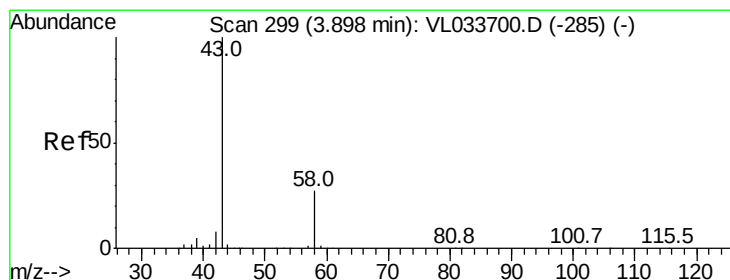
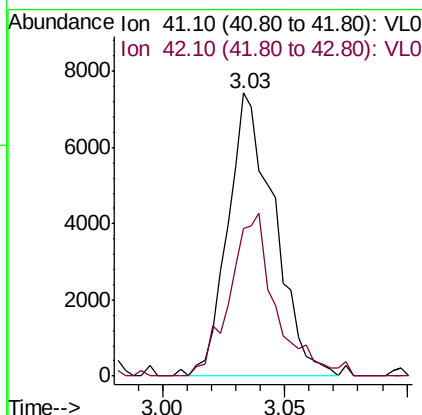
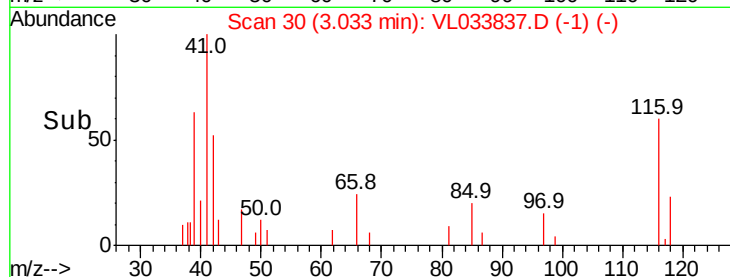
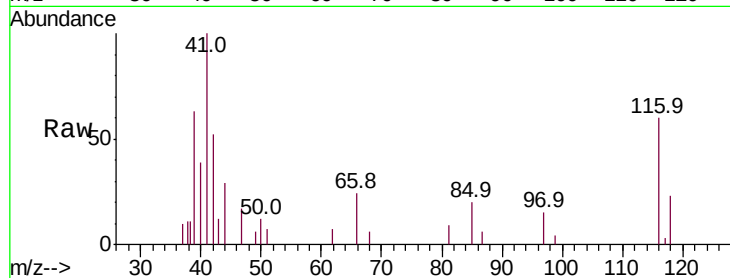
41 100

42 57.0 56.1 84.1

Manual Integrations
APPROVED

apatel

5/30/2019 3:34:29 PM



#15

Acetone

Concen: 0.477 ppbv

RT: 3.92 min Scan# 305

Delta R.T. 0.02 min

Lab File: VL033837.D

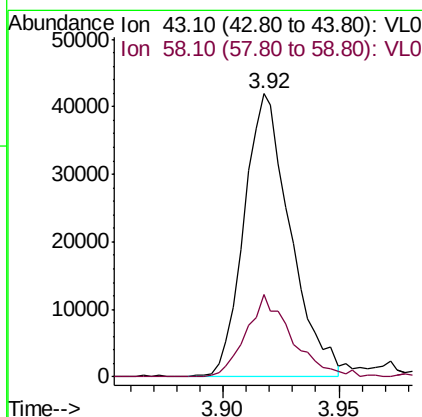
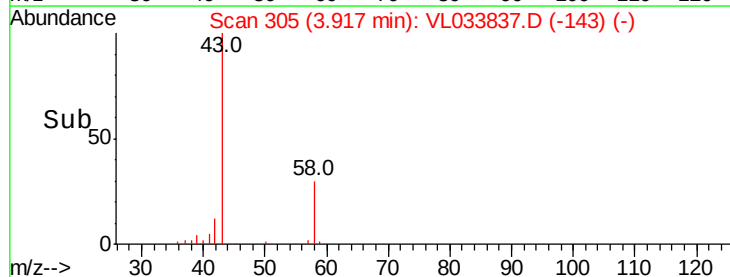
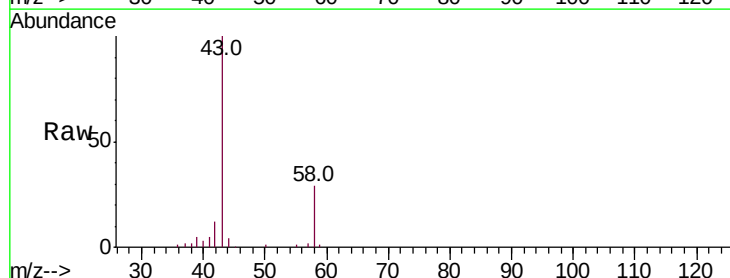
Acq: 29 May 2019 14:20

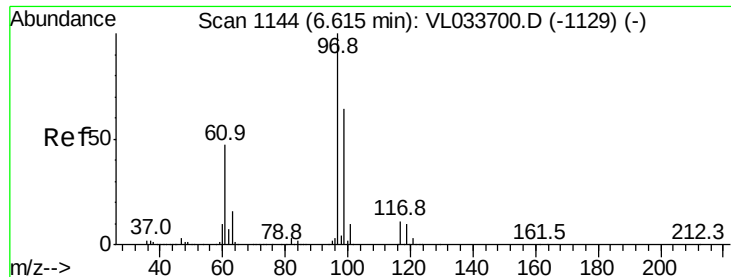
Tgt Ion: 43 Resp: 58201

Ion Ratio Lower Upper

43 100

58 28.8 21.3 31.9





#32

1,1,1-Trichloroethane

Concen: 0.063 ppbv

RT: 6.61 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

Instrument :

MSVOA_L

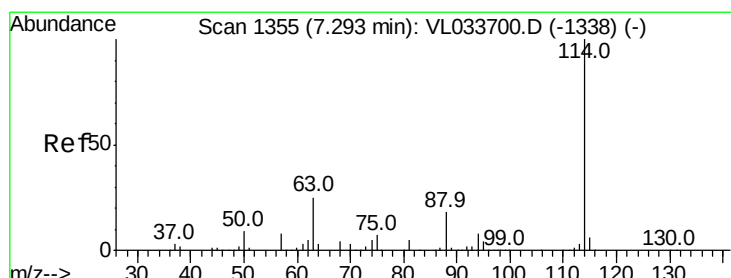
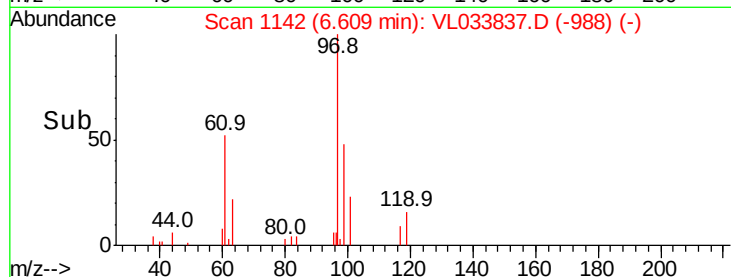
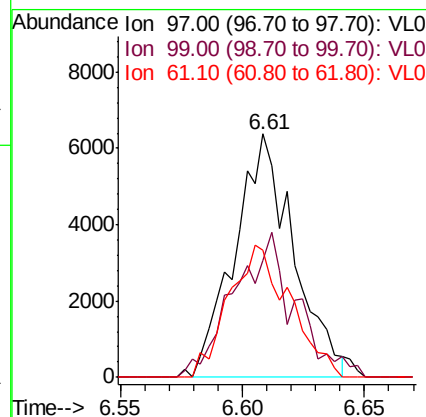
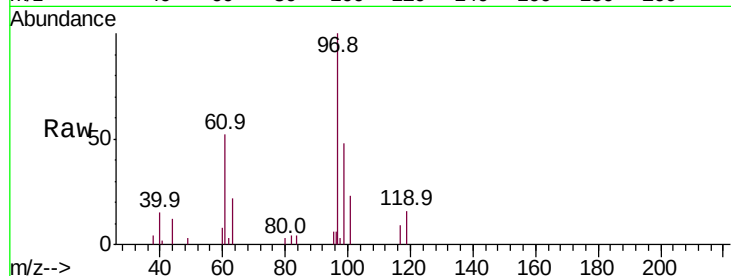
ClientSampled :

VIBLK

Tot Ion:	97	Resp:	10635
Ion	Ratio	Lower	Upper
97	100		
99	62.2	51.5	77.3
61	56.5	37.8	56.8

Manual Integrations
APPROVED

apatel
5/30/2019 3:34:29 PM



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

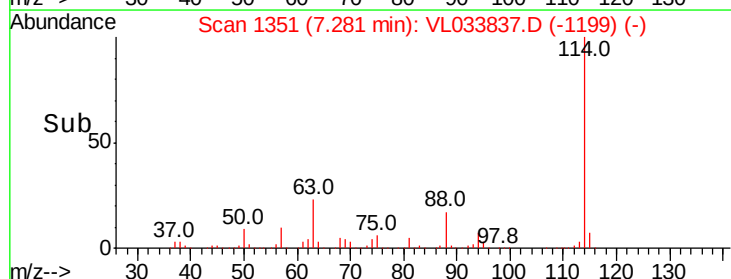
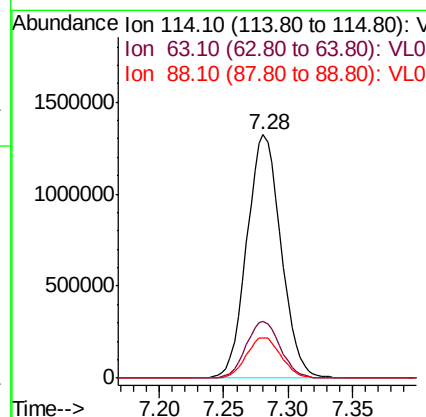
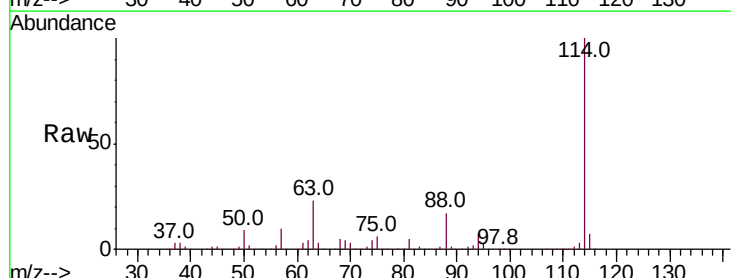
RT: 7.28 min Scan# 1351

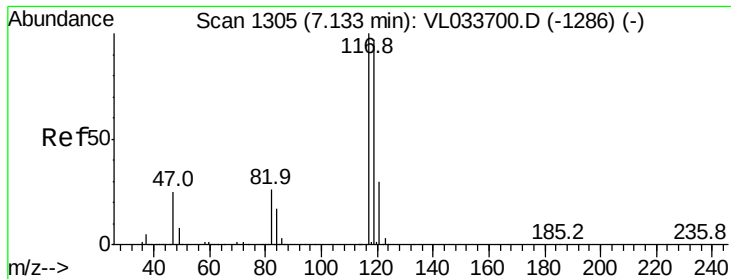
Delta R.T. -0.01 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

Tgt Ion:	114	Resp:	2444937
Ion	Ratio	Lower	Upper
114	100		
63	23.5	20.9	31.3
88	17.0	14.3	21.5





#35

Carbon Tetrachloride

Concen: 0.057 ppbv m

RT: 7.12 min Scan# 1302

Delta R.T. -0.01 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

Instrument :

MSVOA_L

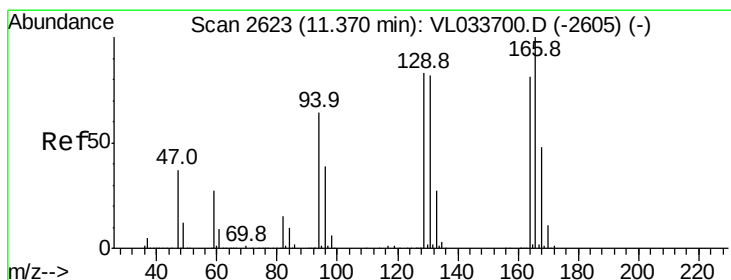
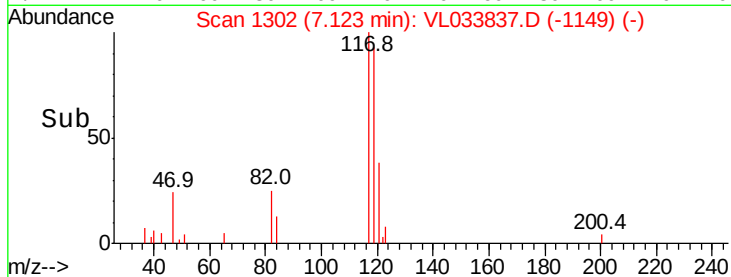
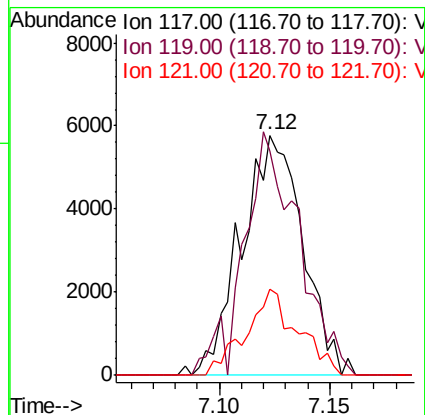
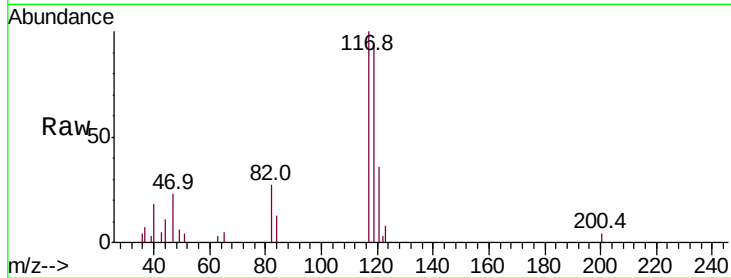
ClientSampled :

VIBLK

Tot Ion:	117	Resp:	11111
Ion Ratio	Lower	Upper	
117	100		
119	93.6	77.2	115.8
121	36.0	24.1	36.1

Manual Integrations
APPROVED

apatel
5/30/2019 3:34:29 PM



#52

Tetrachloroethene

Concen: 0.071 ppbv m

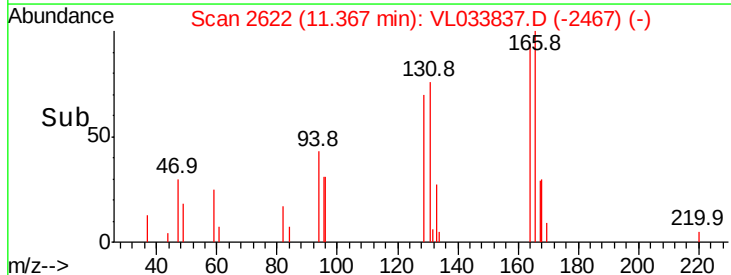
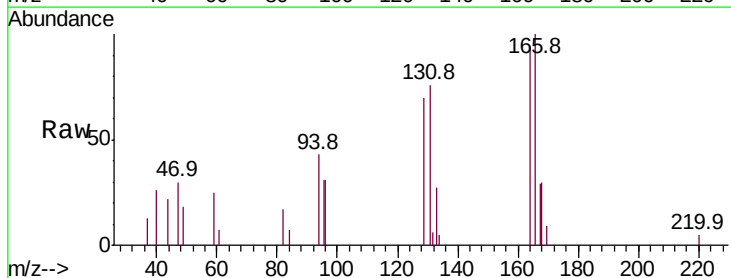
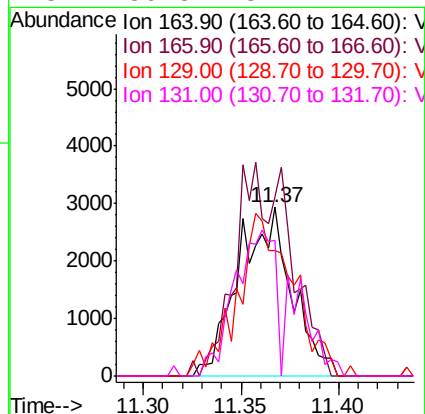
RT: 11.37 min Scan# 2622

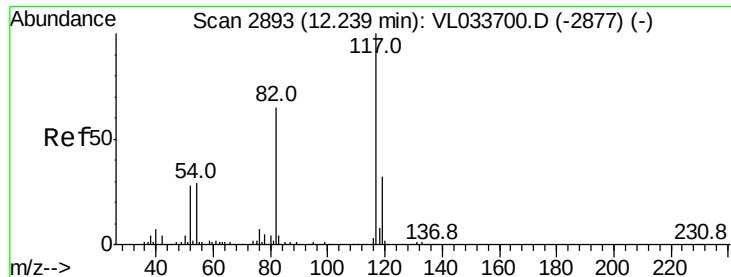
Delta R.T. -0.00 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

Tgt Ion:	164	Resp:	5556
Ion Ratio	Lower	Upper	
164	100		
166	106.3	98.9	148.3
129	74.3	81.8	122.6#
131	80.3	81.1	121.7#





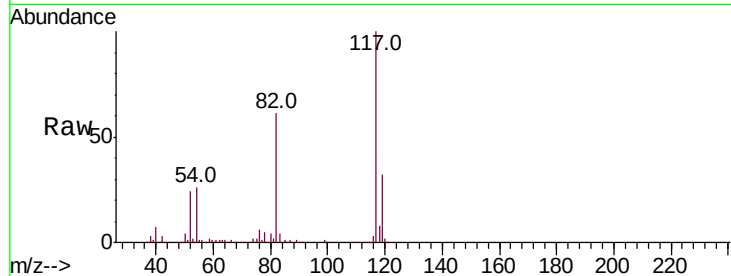
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL033837.D
Acq: 29 May 2019 14:20

Instrument :
MSVOA_L
ClientSampled :
VIBLK

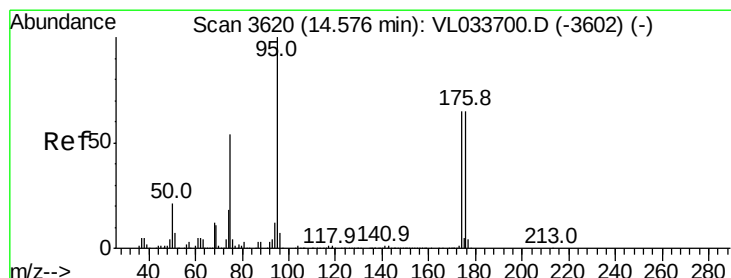
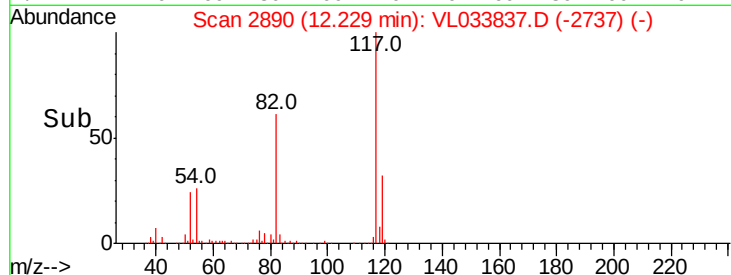
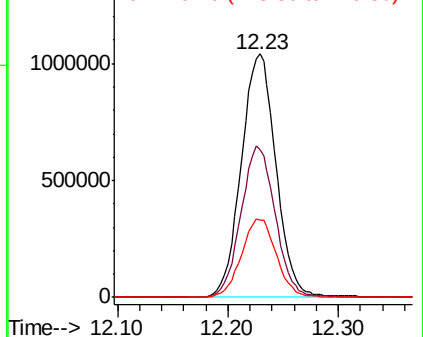
Tot Ion	Ratio	Lower	Upper
117	100		
82	62.0	49.4	74.0
119	32.5	24.9	37.3

Manual Integrations
APPROVED

apatel
5/30/2019 3:34:29 PM

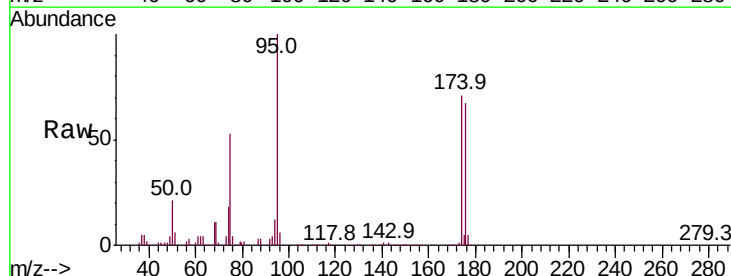


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.684 ppbv
RT: 14.57 min Scan# 3617
Delta R.T. -0.01 min
Lab File: VL033837.D
Acq: 29 May 2019 14:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.0	53.9	80.9
175	5.0	3.8	5.8



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

