

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091719\
 Data File : VL034175.D
 Acq On : 17 Sep 2019 7:26
 Operator : SY/AP
 Sample : VSTDICC0.03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 12:44:04 AM

Quant Time: Sep 17 08:08:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 18 2019
 QLast Update : Tue Sep 17 05:58:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1272415	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	2081505	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.16	117	2119220	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.50	95	1901587	10.88	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.25	62	3017m	0.037	ppbv	
32) 1,1,1-Trichloroethane	6.54	97	7037m	0.037	ppbv	
35) Carbon Tetrachloride	7.07	117	6197m	0.038	ppbv	
38) Trichloroethene	7.88	130	2817m	0.032	ppbv	
52) Tetrachloroethene	11.29	164	3033m	0.036	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.76	83	10134m	0.044	ppbv	

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

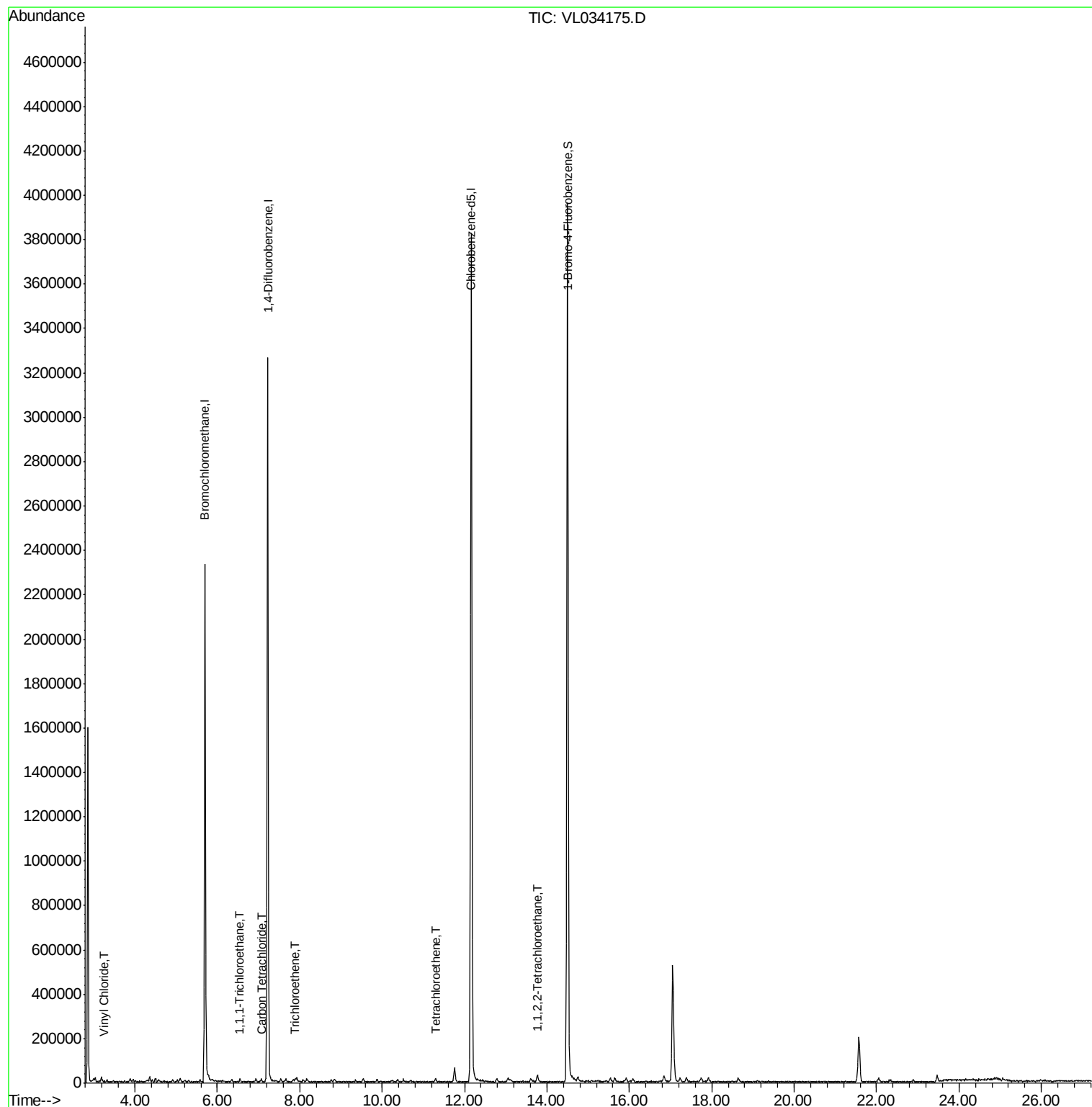
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL091719\
Data File : VL034175.D
Acq On : 17 Sep 2019 7:26
Operator : SY/AP
Sample : VSTDICC0.03
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

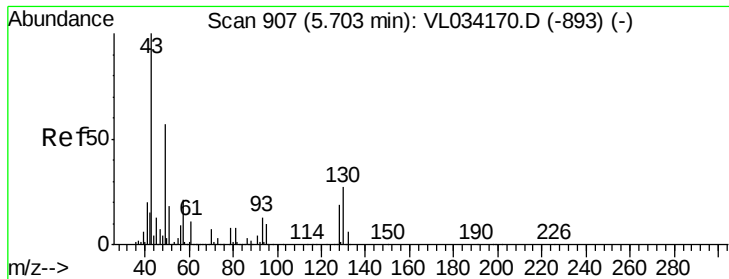
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

MMDadoda
9/20/2019 12:44:04 AM

Quant Time: Sep 17 08:08:52 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Sep
QLast Update : Tue Sep 17 05:58:04 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.70 min Scan# 906

Delta R.T. -0.00 min

Lab File: VL034175.D

Acq: 17 Sep 2019 7:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tot Ion: 49 Resp: 1272415

Ion Ratio Lower Upper

49 100

128 34.4 17.6 52.9

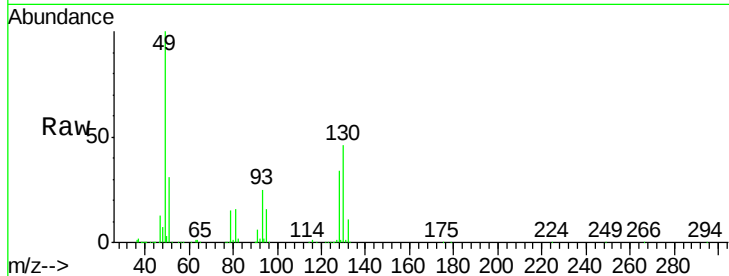
130 44.6 22.3 66.9

Manual Integrations

APPROVED

MMDadoda

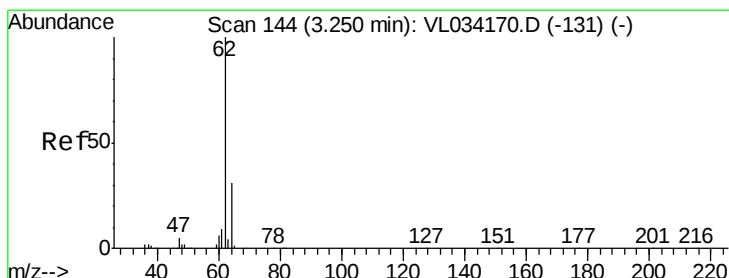
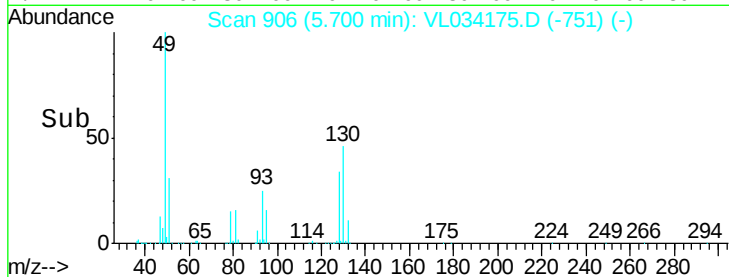
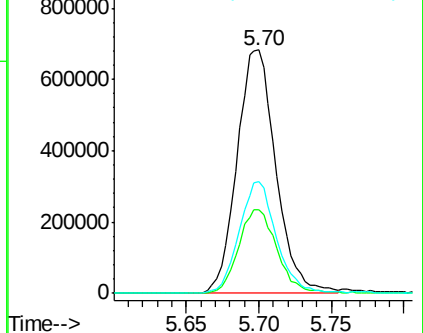
9/20/2019 12:44:04 AM



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



#5

Vinyl Chloride

Concen: 0.037 ppbv m

RT: 3.25 min Scan# 144

Delta R.T. 0.00 min

Lab File: VL034175.D

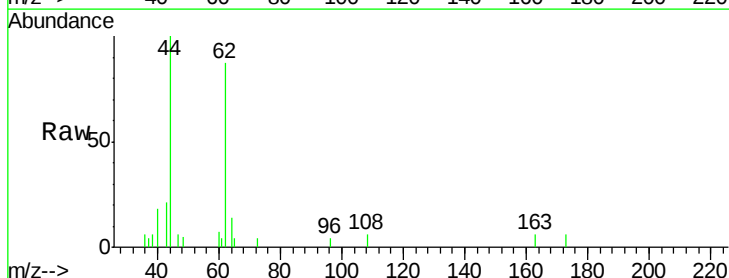
Acq: 17 Sep 2019 7:26

Tgt Ion: 62 Resp: 3017

Ion Ratio Lower Upper

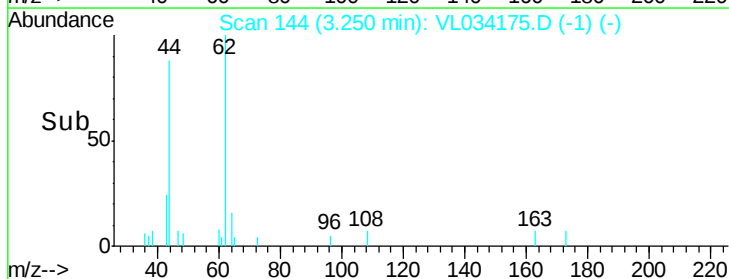
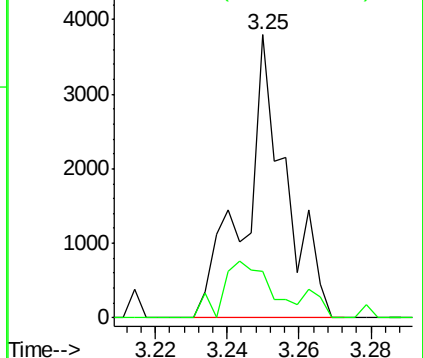
62 100

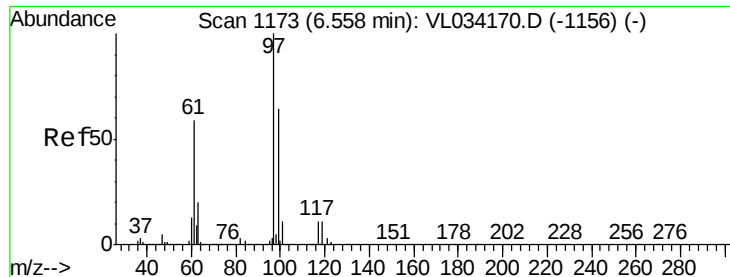
64 16.3 25.2 37.8#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#32

1,1,1-Trichloroethane

Concen: 0.037 ppbv m

RT: 6.54 min Scan# 1168

Delta R.T. -0.02 min

Lab File: VL034175.D

Acq: 17 Sep 2019 7:26

Instrument :

MSVOA_L

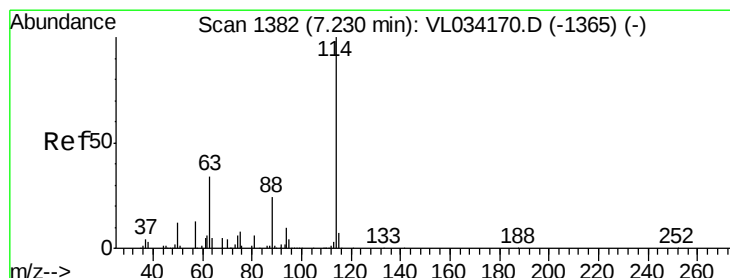
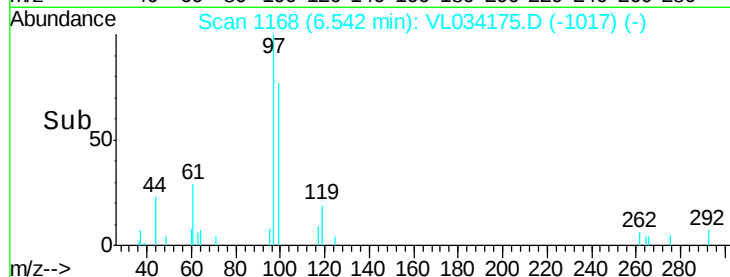
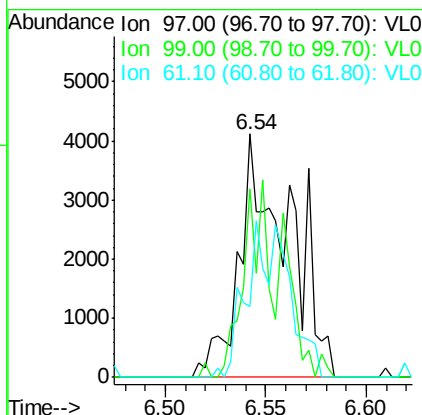
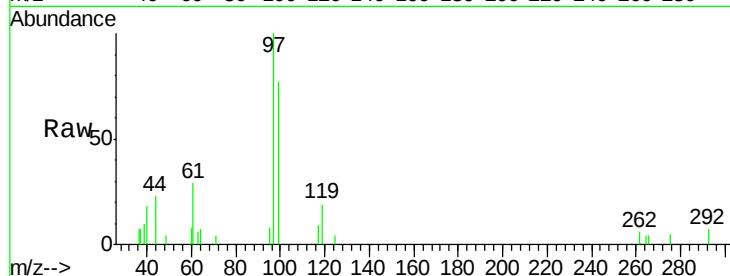
ClientSampled :

VSTDIC0.03

Tot Ion:	97	Resp:	7037
Ion	Ratio	Lower	Upper
97	100		
99	59.5	51.4	77.2
61	53.4	48.4	72.6

Manual Integrations
APPROVED

MMDadoda
9/20/2019 12:44:04 AM



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

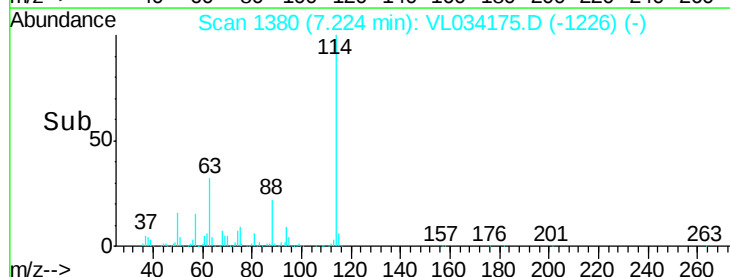
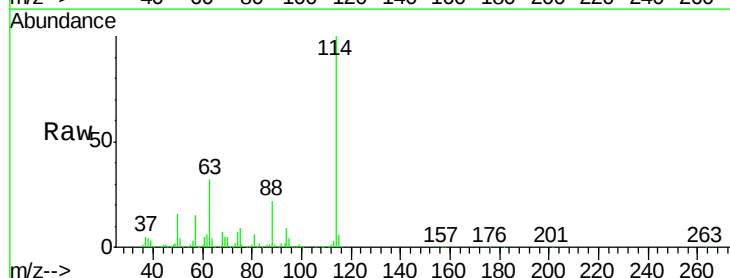
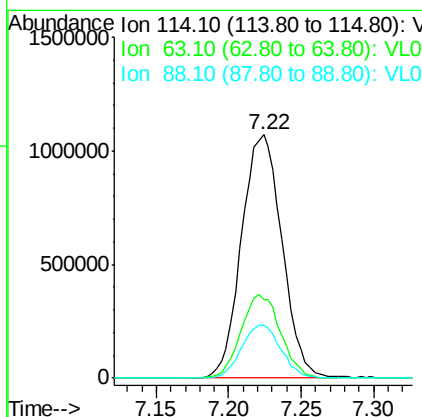
RT: 7.22 min Scan# 1380

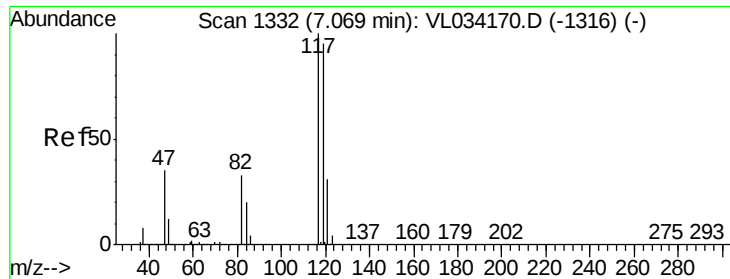
Delta R.T. -0.01 min

Lab File: VL034175.D

Acq: 17 Sep 2019 7:26

Tgt Ion:	114	Resp:	2081505
Ion	Ratio	Lower	Upper
114	100		
63	33.7	27.8	41.6
88	21.4	17.1	25.7





#35

Carbon Tetrachloride

Concen: 0.038 ppbv m

RT: 7.07 min Scan# 1332

Delta R.T. 0.00 min

Lab File: VL034175.D

Acq: 17 Sep 2019 7:26

Instrument :

MSVOA_L

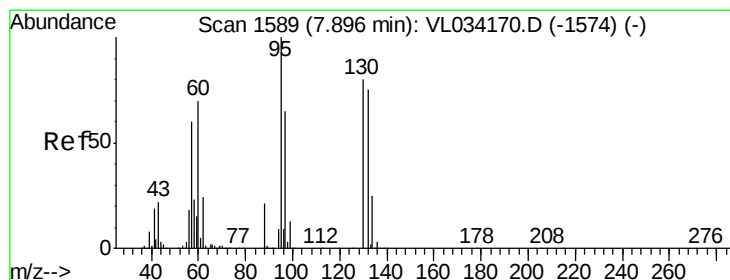
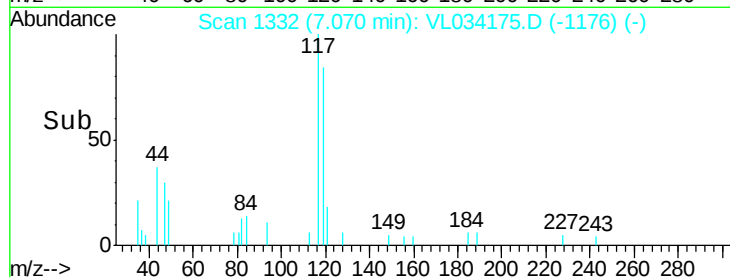
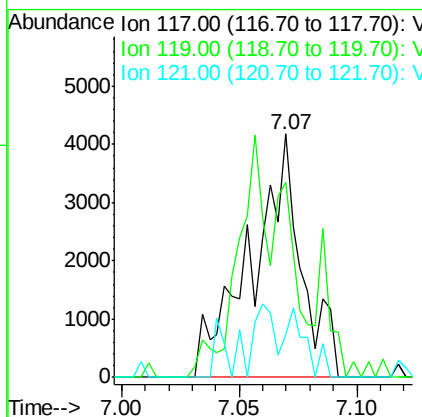
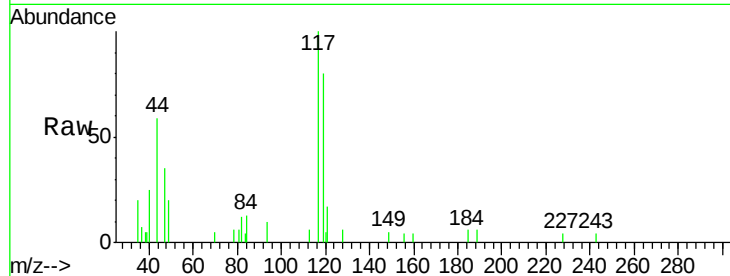
ClientSampleId :

VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
117	100		
119	80.0	75.8	113.6
121	17.3	25.0	37.6

Manual Integrations
APPROVED

MMDadoda
9/20/2019 12:44:04 AM



#38

Trichloroethene

Concen: 0.032 ppbv m

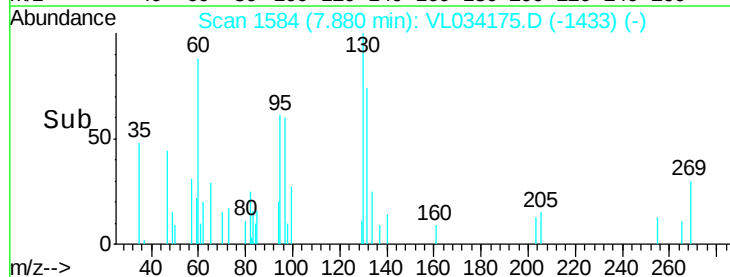
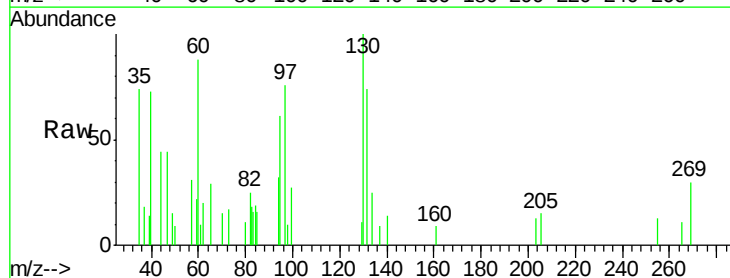
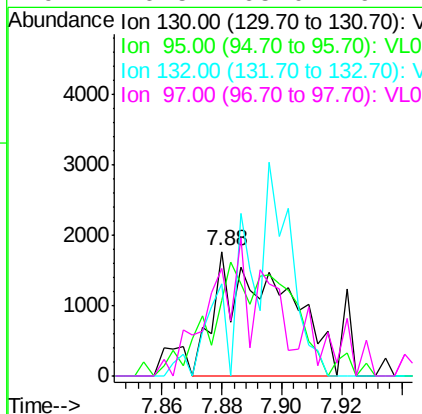
RT: 7.88 min Scan# 1584

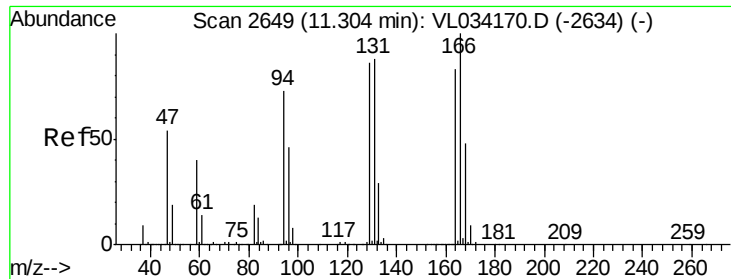
Delta R.T. -0.02 min

Lab File: VL034175.D

Acq: 17 Sep 2019 7:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	60.9	99.8	149.6
132	73.9	75.2	112.8
97	76.5	65.0	97.4





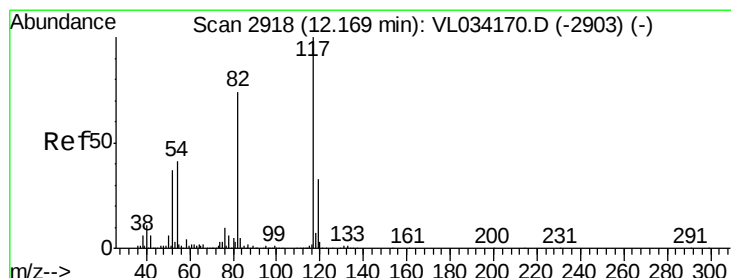
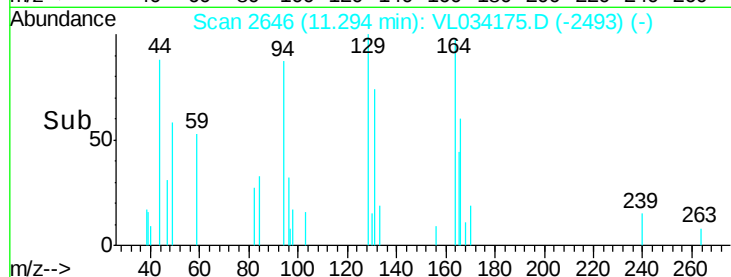
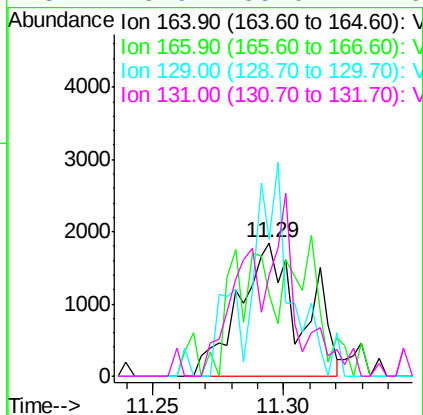
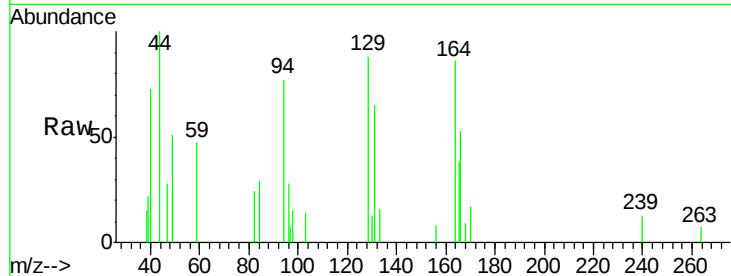
#52
Tetrachloroethene
Concen: 0.036 ppbv m
RT: 11.29 min Scan# 2646
Delta R.T. -0.01 min
Lab File: VL034175.D
Acq: 17 Sep 2019 7:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
164	100		
166	61.7	96.7	145.1#
129	102.2	82.8	124.2
131	75.9	85.0	127.6#

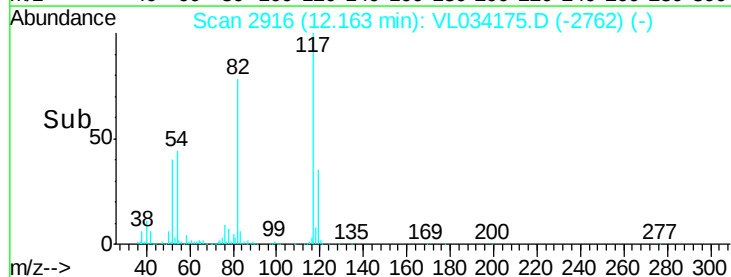
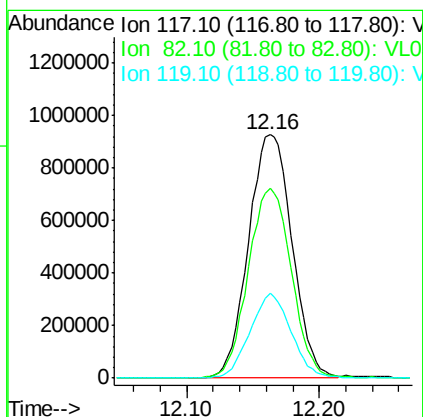
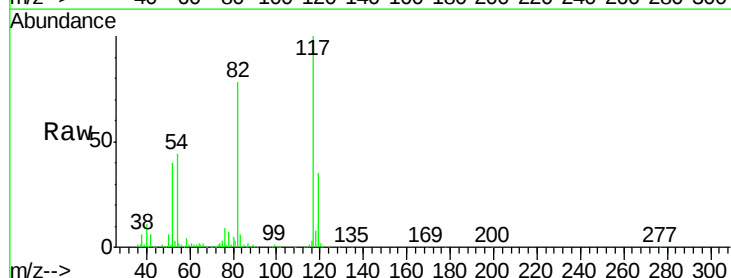
Manual Integrations
APPROVED

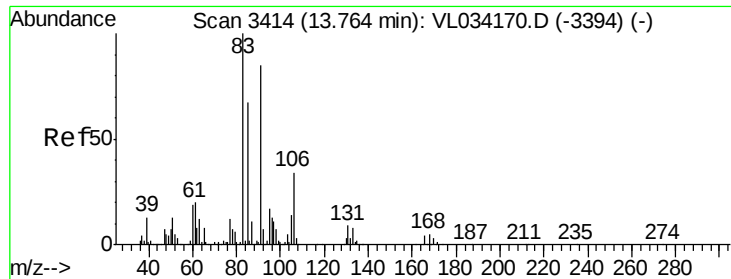
MMDadoda
9/20/2019 12:44:04 AM



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. -0.01 min
Lab File: VL034175.D
Acq: 17 Sep 2019 7:26

Tgt Ion	Ratio	Lower	Upper
117	100		
82	77.6	58.2	87.4
119	32.9	23.7	35.5





#63

1,1,2,2-Tetrachloroethane

Concen: 0.044 ppbv m

RT: 13.76 min Scan# 3412

Delta R.T. -0.01 min

Lab File: VL034175.D

Acq: 17 Sep 2019 7:26

Instrument :

MSVOA_L

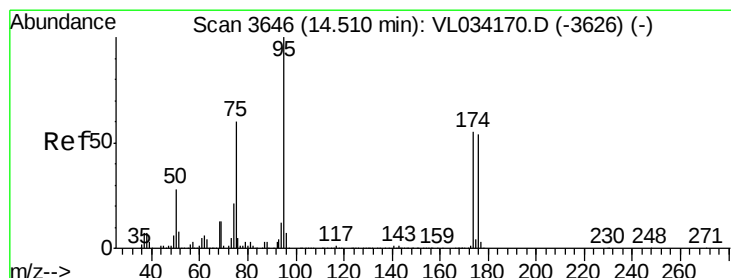
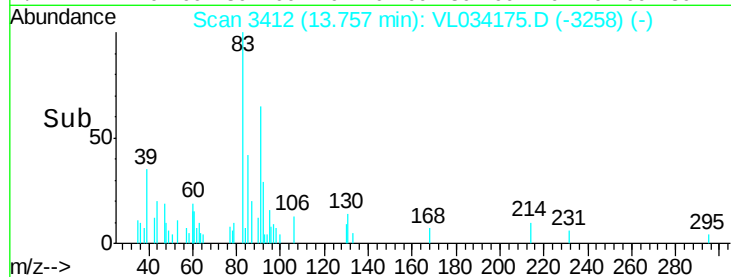
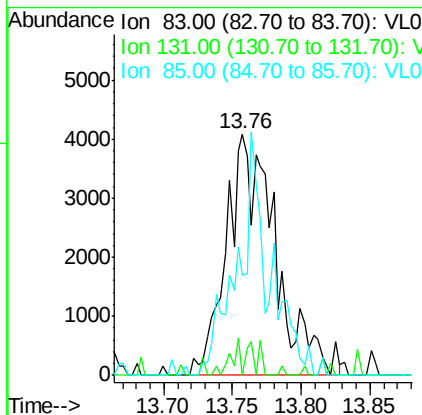
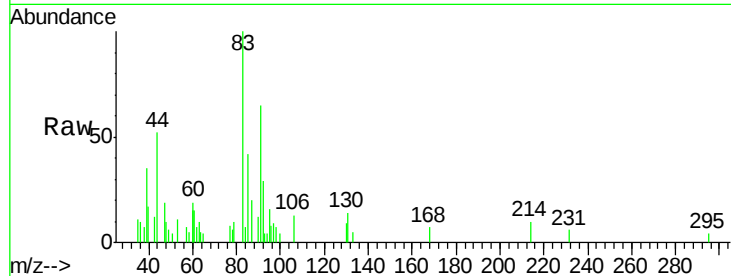
ClientSampleId :

VSTDIC0.03

Tot Ion:	83	Resp:	10134
Ion Ratio	Lower	Upper	
83	100		
131	5.9	4.3	12.8
85	0.0	32.8	98.4#

Manual Integrations
APPROVED

MMDadoda
9/20/2019 12:44:04 AM



#68

1-Bromo-4-Fluorobenzene

Concen: 10.881 ppbv

RT: 14.50 min Scan# 3643

Delta R.T. -0.01 min

Lab File: VL034175.D

Acq: 17 Sep 2019 7:26

Tgt Ion:	95	Resp:	1901587
Ion Ratio	Lower	Upper	
95	100		
174	55.2	45.1	67.7
175	4.0	3.3	4.9

