

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101619\
 Data File : VL034303.D
 Acq On : 16 Oct 2019 16:07
 Operator : SY/AP
 Sample : VSTDIC0.03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 3:04:08 PM

Quant Time: Oct 16 17:15:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 16 16:52:05 2019
 QLast Update : Wed Oct 16 16:52:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1132928	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	2127433	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	2135953	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1864395	10.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.24	62	2796m	0.039	ppbv	
32) 1,1,1-Trichloroethane	6.54	97	6758m	0.041	ppbv	
35) Carbon Tetrachloride	7.06	117	7171m	0.041	ppbv	
38) Trichloroethene	7.88	130	2910m	0.035	ppbv	
52) Tetrachloroethene	11.29	164	2495m	0.032	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.75	83	8186m	0.035	ppbv	

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

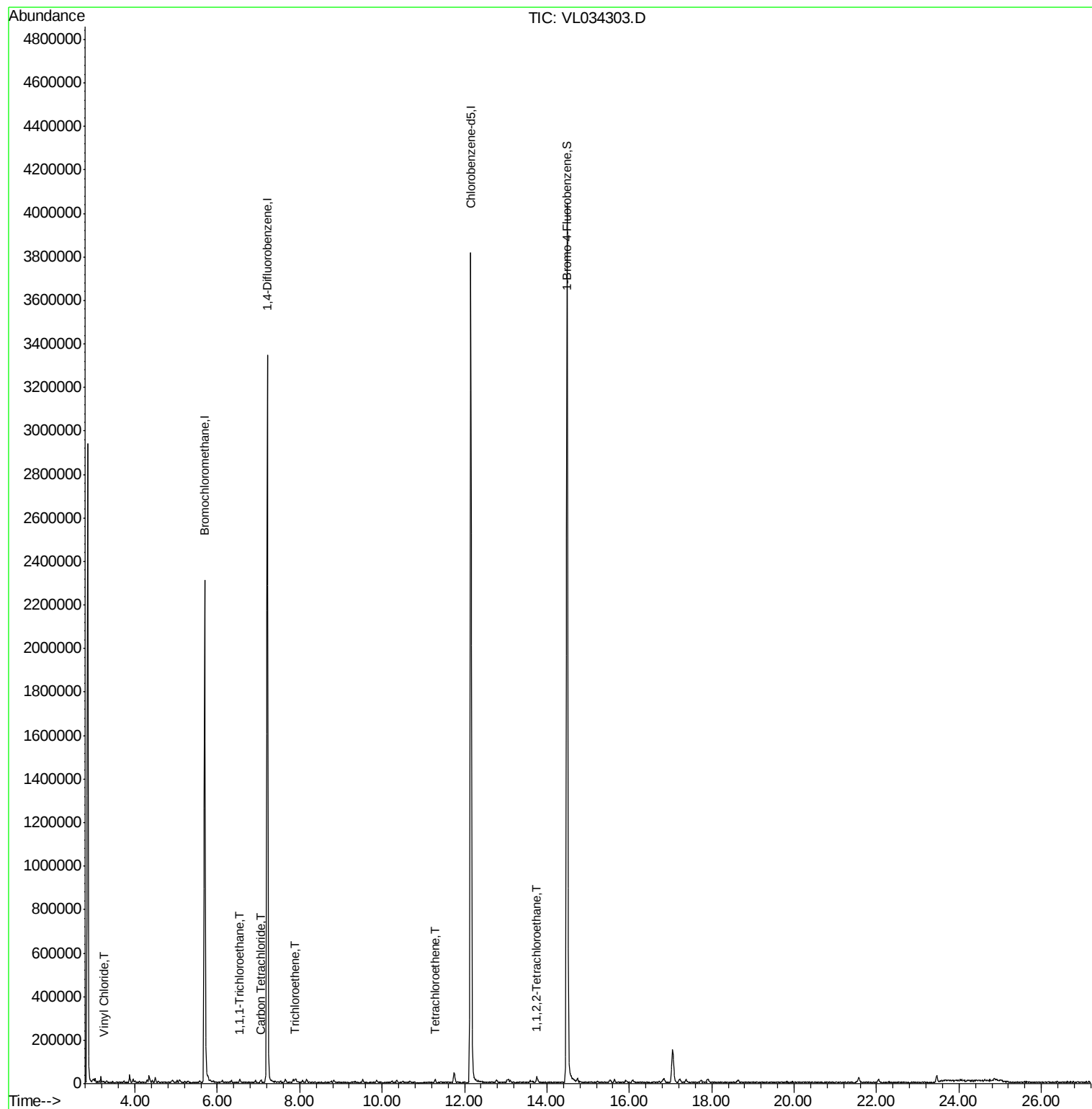
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL101619\
Data File : VL034303.D
Acq On : 16 Oct 2019 16:07
Operator : SY/AP
Sample : VSTDIC0.03
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

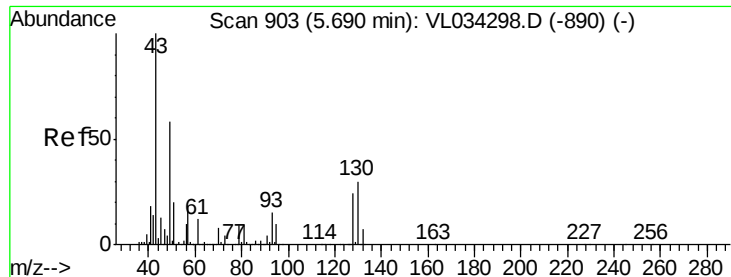
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Manual Integrations
APPROVED

MMDadoda
10/18/2019 3:04:08 PM

Quant Time: Oct 16 17:15:14 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct
QLast Update : Wed Oct 16 16:52:05 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.00 min

Lab File: VL034303.D

Acq: 16 Oct 2019 16:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tot Ion: 49 Resp: 1132928

Ion Ratio Lower Upper

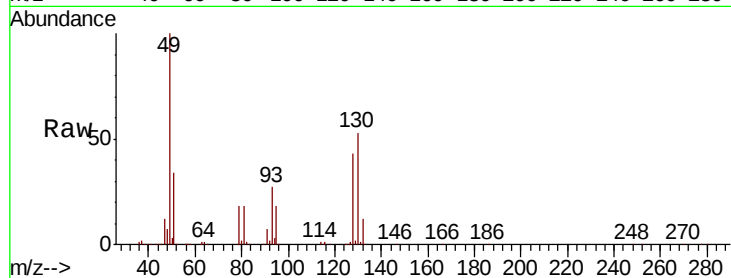
49 100

128 41.5 20.6 61.8

130 52.7 26.2 78.5

Manual Integrations
APPROVED

MMDadoda
10/18/2019 3:04:08 PM



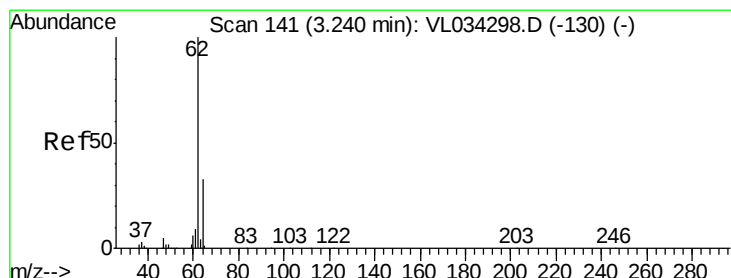
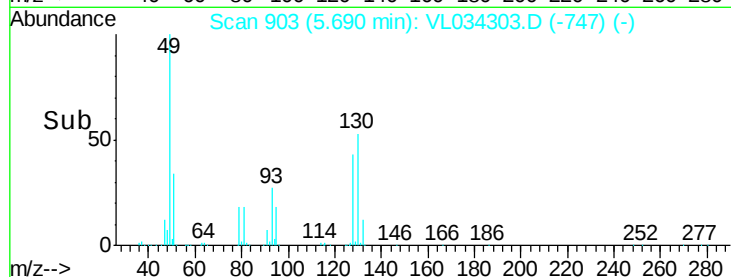
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.69

Time-->



#5

Vinyl Chloride

Concen: 0.039 ppbv m

RT: 3.24 min Scan# 142

Delta R.T. 0.00 min

Lab File: VL034303.D

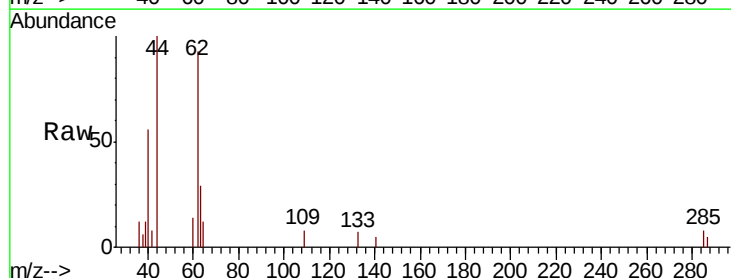
Acq: 16 Oct 2019 16:07

Tgt Ion: 62 Resp: 2796

Ion Ratio Lower Upper

62 100

64 12.7 26.0 39.0#

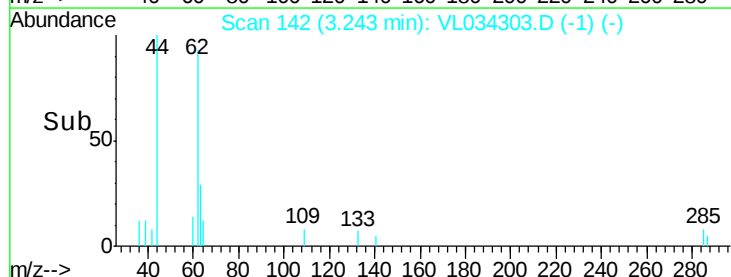


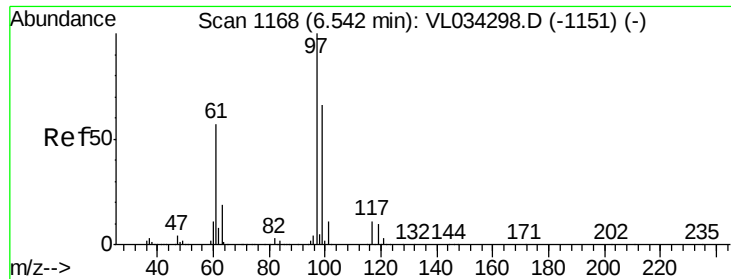
Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.24

Time-->





#32

1,1,1-Trichloroethane

Concen: 0.041 ppbv m

RT: 6.54 min Scan# 1166

Delta R.T. -0.01 min

Lab File: VL034303.D

Acq: 16 Oct 2019 16:07

Instrument :

MSVOA_L

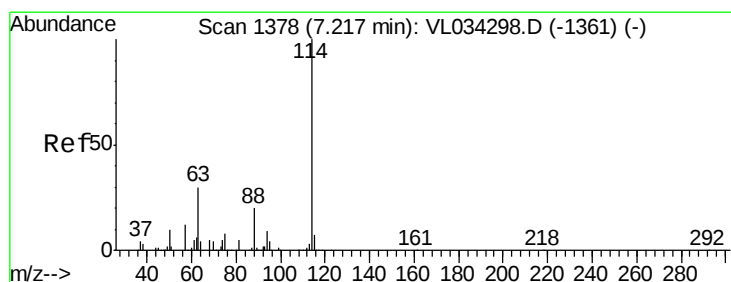
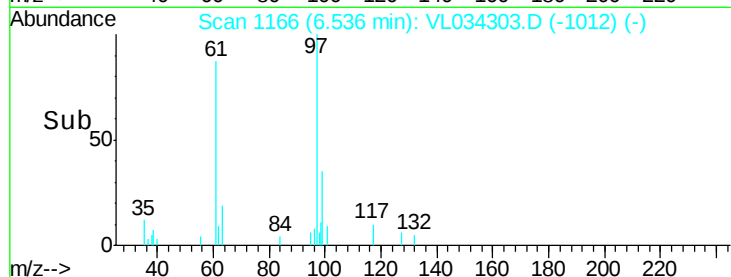
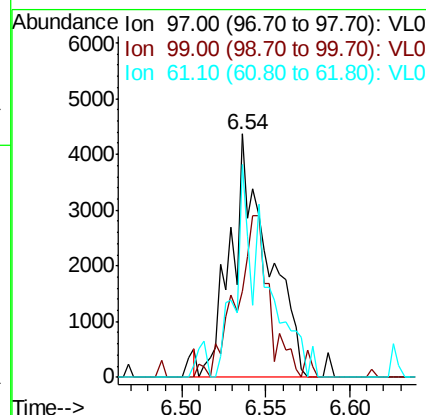
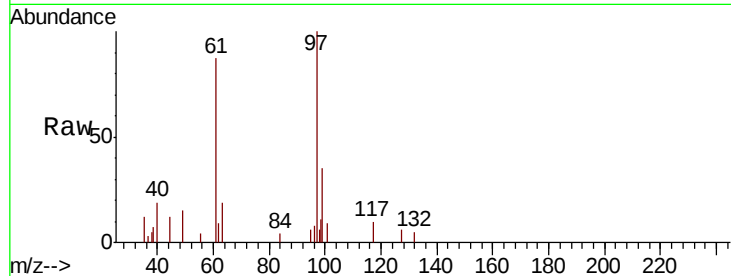
ClientSampleId :

VSTDIC0.03

Tot Ion:	97	Resp:	6758
Ion	Ratio	Lower	Upper
97	100		
99	60.0	52.6	78.8
61	0.0	44.5	66.7#

Manual Integrations
APPROVED

MMDadoda
10/18/2019 3:04:08 PM



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

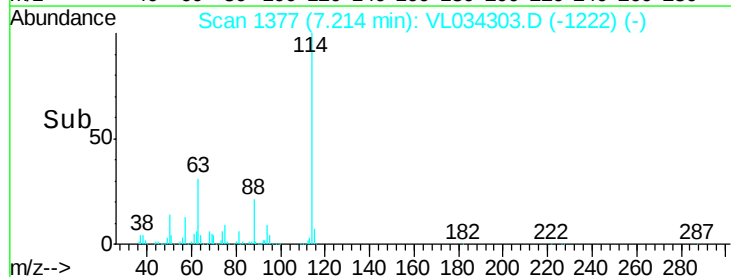
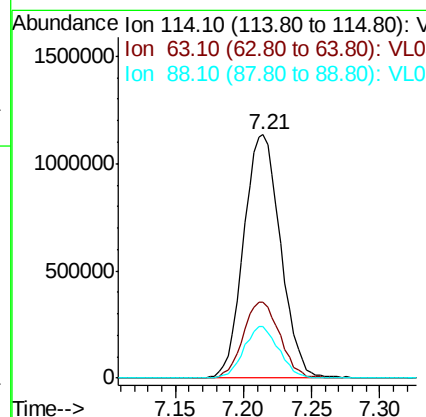
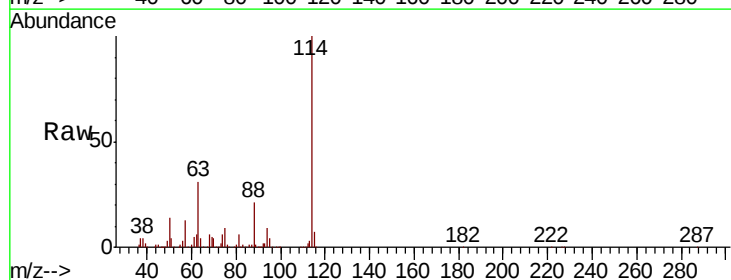
RT: 7.21 min Scan# 1377

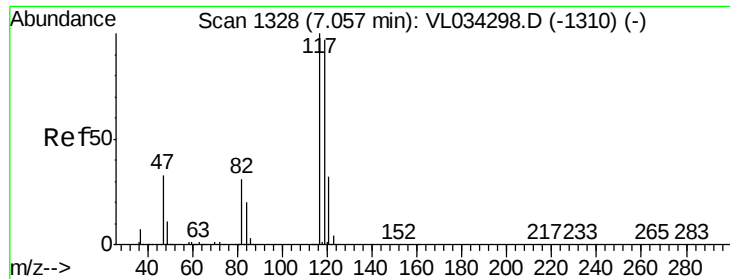
Delta R.T. -0.00 min

Lab File: VL034303.D

Acq: 16 Oct 2019 16:07

Tgt Ion:	114	Resp:	2127433
Ion	Ratio	Lower	Upper
114	100		
63	31.3	25.2	37.8
88	20.1	16.0	24.0





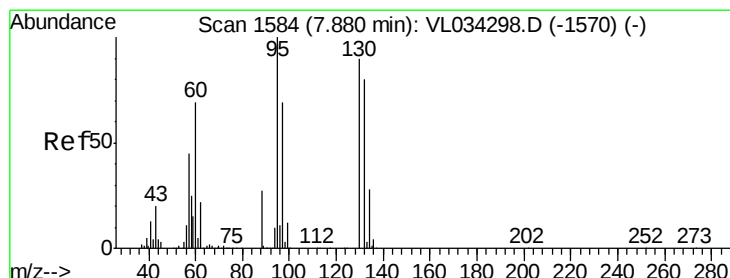
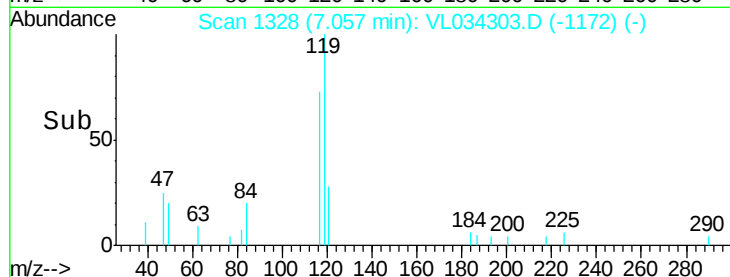
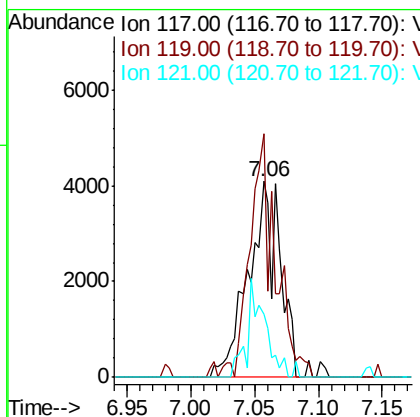
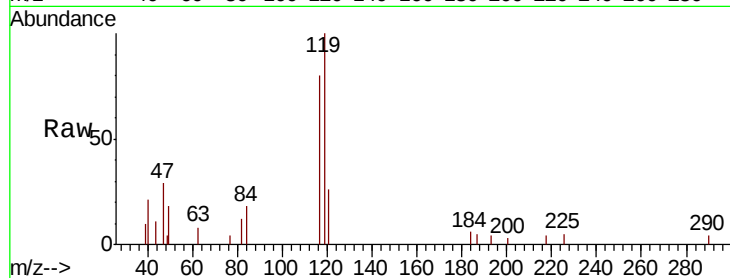
#35
Carbon Tetrachloride
Concen: 0.041 ppbv m
RT: 7.06 min Scan# 1328
Delta R.T. 0.00 min
Lab File: VL034303.D
Acq: 16 Oct 2019 16:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
117	100		
119	124.3	77.3	115.9#
121	32.5	25.5	38.3

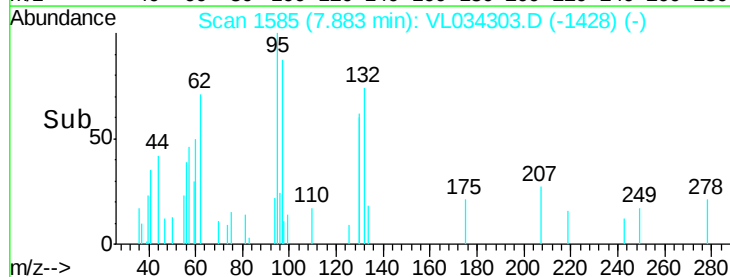
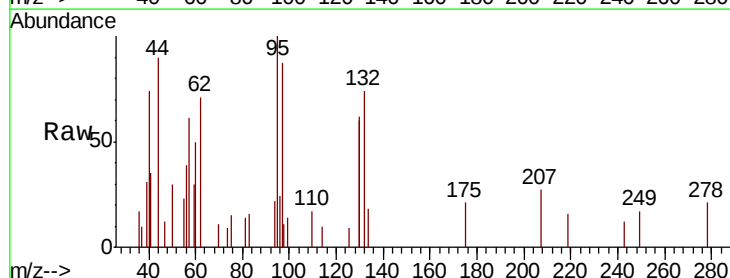
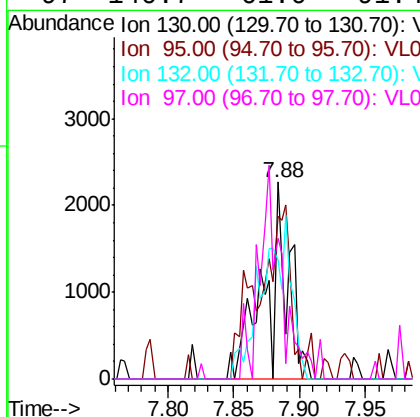
Manual Integrations
APPROVED

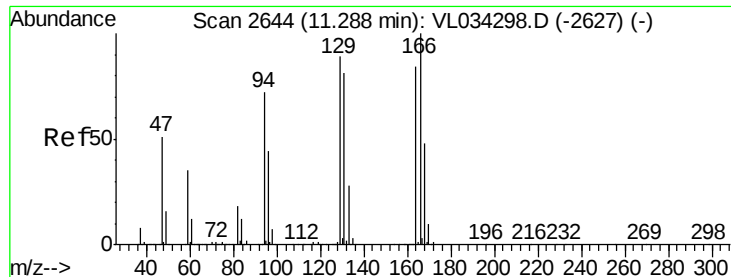
MMDadoda
10/18/2019 3:04:08 PM



#38
Trichloroethene
Concen: 0.035 ppbv m
RT: 7.88 min Scan# 1585
Delta R.T. 0.00 min
Lab File: VL034303.D
Acq: 16 Oct 2019 16:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	162.5	88.6	132.8#
132	119.5	71.2	106.8#
97	140.7	61.0	91.4#





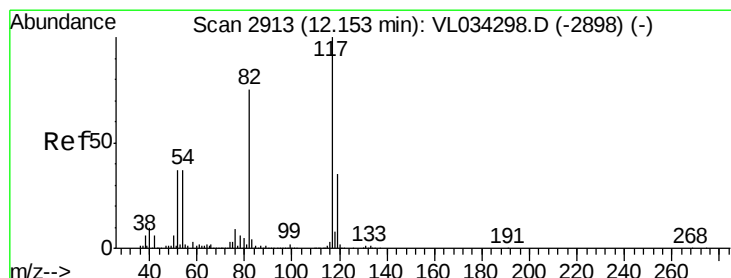
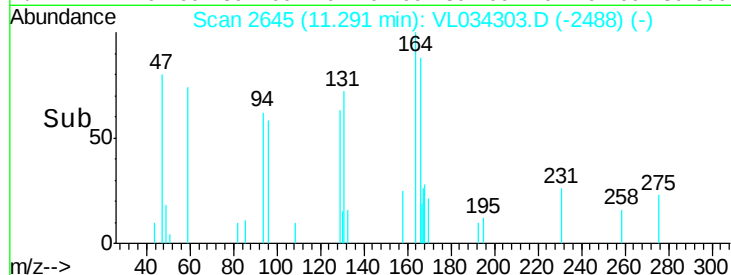
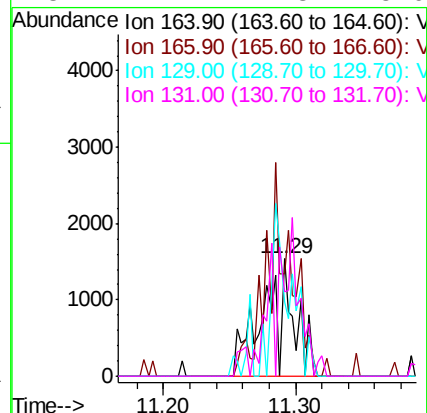
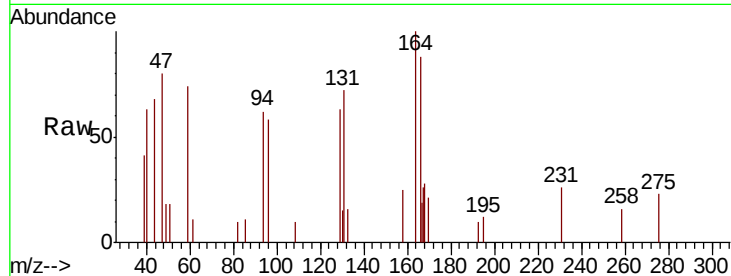
#52
Tetrachloroethene
Concen: 0.032 ppbv m
RT: 11.29 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VL034303.D
Acq: 16 Oct 2019 16:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
164	100		
166	87.5	95.3	142.9#
129	63.3	84.5	126.7#
131	72.4	77.3	115.9#

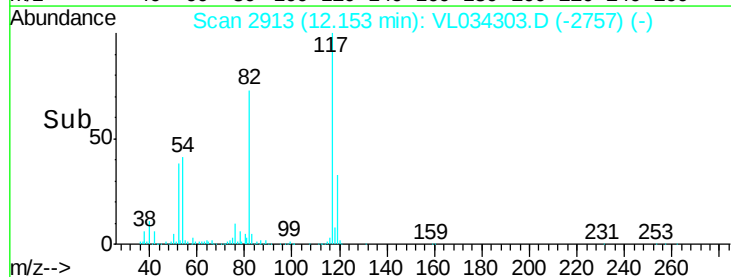
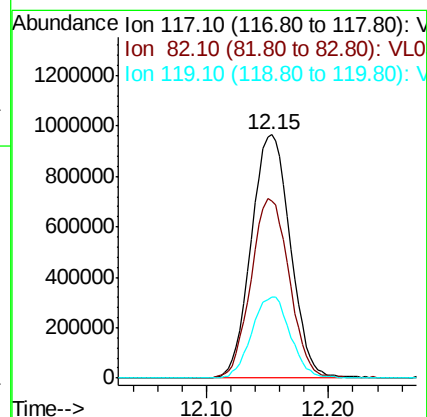
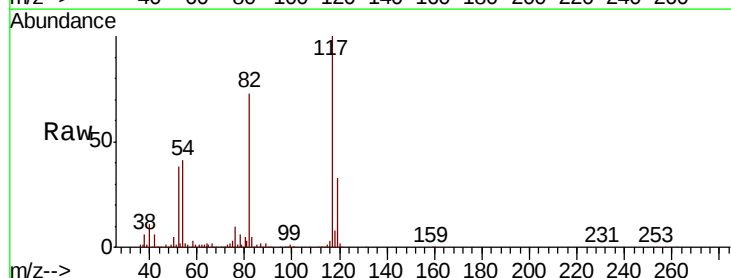
Manual Integrations
APPROVED

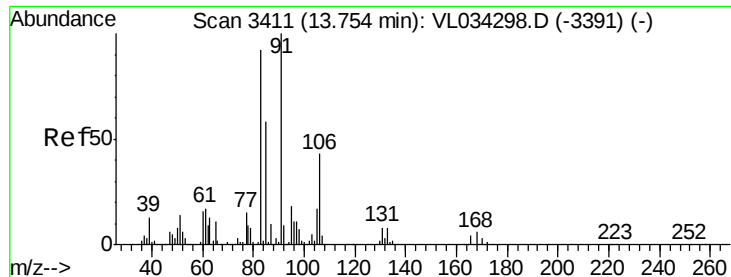
MMDadoda
10/18/2019 3:04:08 PM



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. 0.00 min
Lab File: VL034303.D
Acq: 16 Oct 2019 16:07

Tgt Ion	Ratio	Lower	Upper
117	100		
82	72.9	55.5	83.3
119	33.1	26.5	39.7





#63

1,1,2,2-Tetrachloroethane

Concen: 0.035 ppbv m

RT: 13.75 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VL034303.D

Acq: 16 Oct 2019 16:07

Instrument :

MSVOA_L

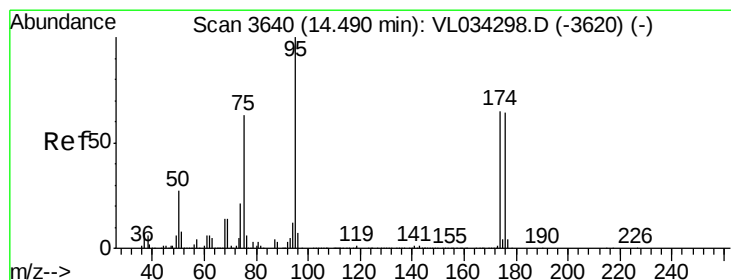
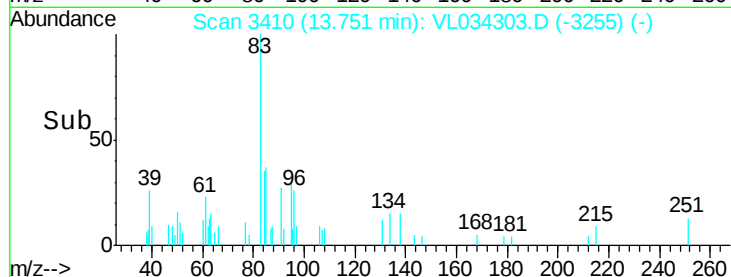
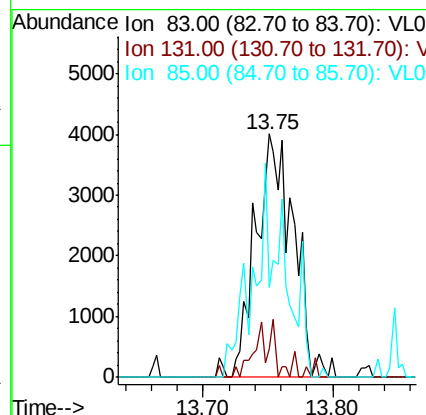
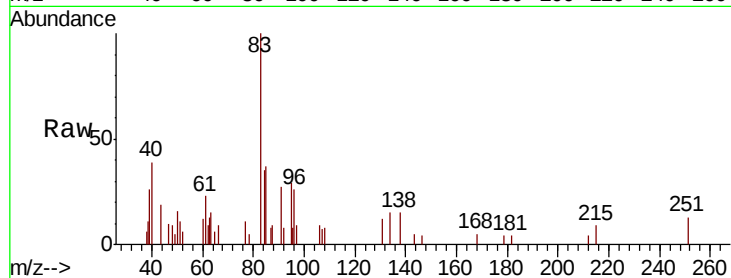
ClientSampleId :

VSTDIC0.03

Tot Ion	83	Resp	8186
Ion	Ratio	Lower	Upper
83	100		
131	12.5	4.8	14.4
85	70.0	32.5	97.4

Manual Integrations
APPROVED

MMDadoda
10/18/2019 3:04:08 PM



#68

1-Bromo-4-Fluorobenzene

Concen: 10.045 ppbv

RT: 14.49 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VL034303.D

Acq: 16 Oct 2019 16:07

Tgt Ion	95	Resp	1864395
Ion	Ratio	Lower	Upper
95	100		
174	63.5	52.6	78.8
175	4.6	3.8	5.6

