

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031319\
 Data File : VL033303.D
 Acq On : 13 Mar 2019 19:05
 Operator : SY/AP
 Sample : VSTDIC0.1
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 10:41:48 PM

Quant Time: Mar 13 20:24:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031319AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar 14 00:00:00 2019
 QLast Update : Wed Mar 13 17:31:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	761926	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1728279	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1903887	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1507924	10.26	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl Chloride	3.29	62	5562	0.105	ppbv	91
32) 1,1,1-Trichloroethane	6.61	97	13144m	0.105	ppbv	
35) Carbon Tetrachloride	7.13	117	12115m	0.096	ppbv	
38) Trichloroethene	7.96	130	6626m	0.107	ppbv	
52) Tetrachloroethene	11.37	164	6967m	0.119	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.84	83	15352m	0.109	ppbv	

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

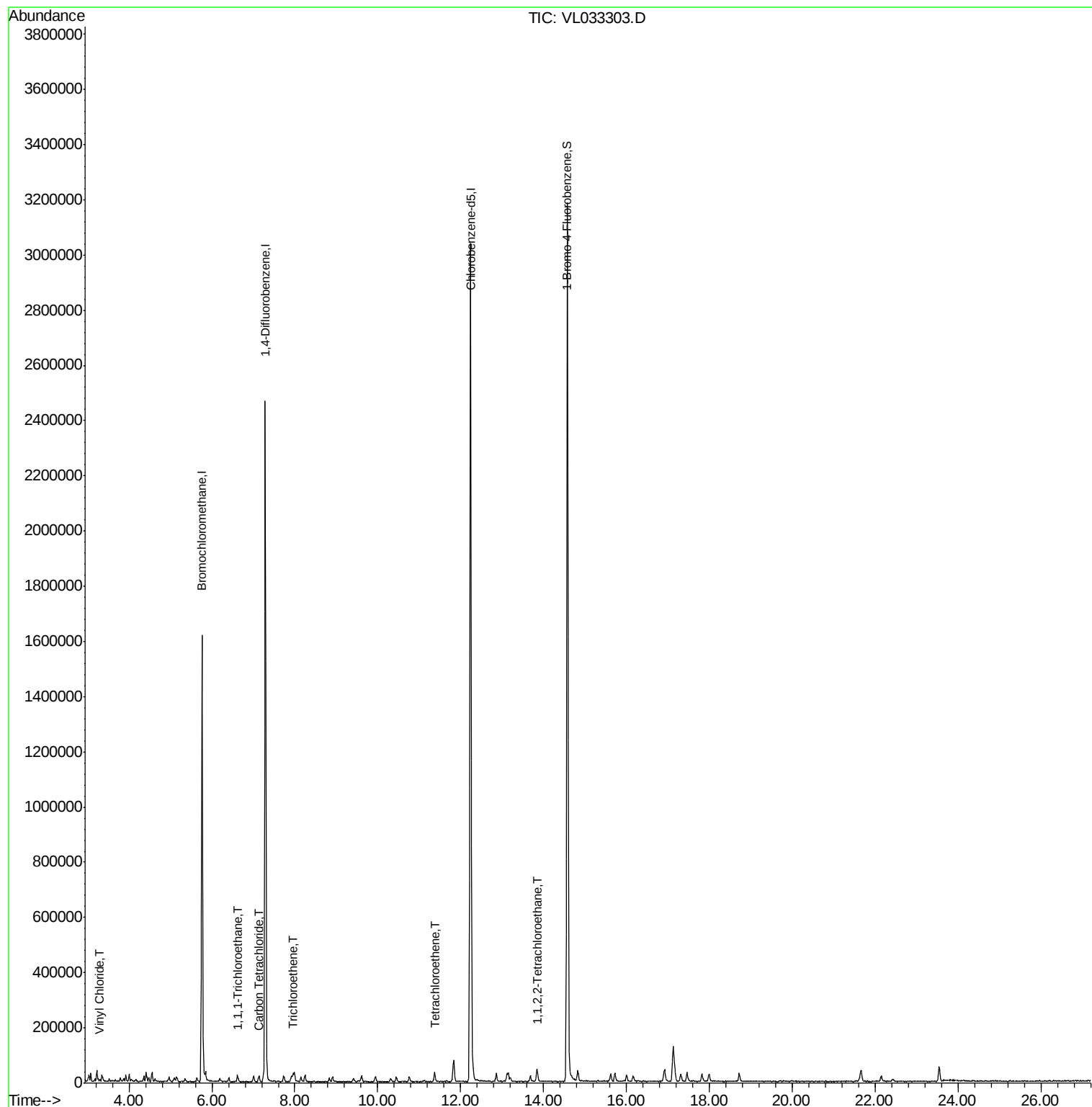
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031319\
Data File : VL033303.D
Acq On : 13 Mar 2019 19:05
Operator : SY/AP
Sample : VSTDIC0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

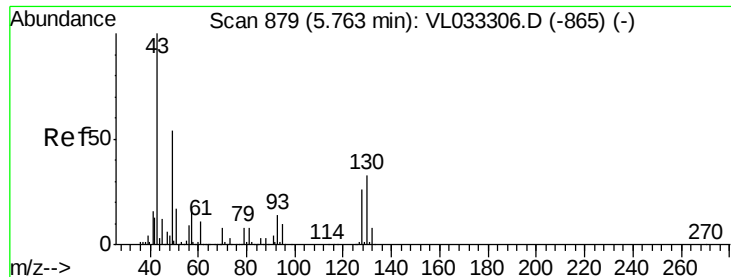
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Manual Integrations
APPROVED

MMDadoda
3/15/2019 10:41:48 PM

Quant Time: Mar 13 20:24:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031319AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar
QLast Update : Wed Mar 13 17:31:13 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: VL033303.D

Acq: 13 Mar 2019 19:05

Instrument :

MSVOA_L

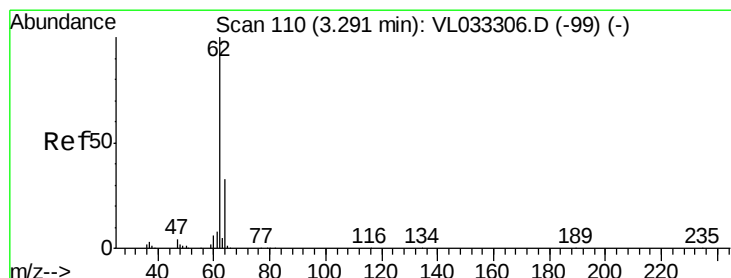
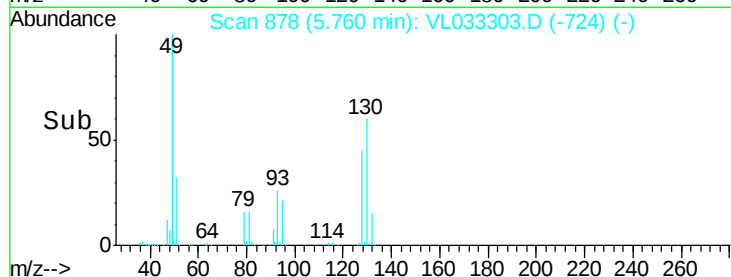
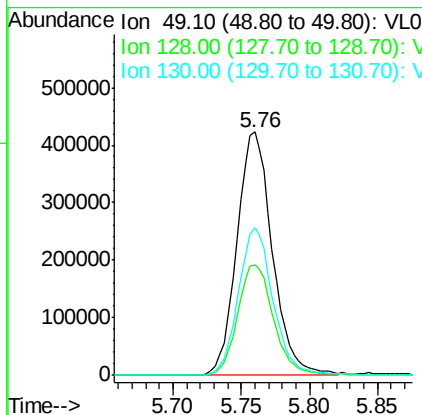
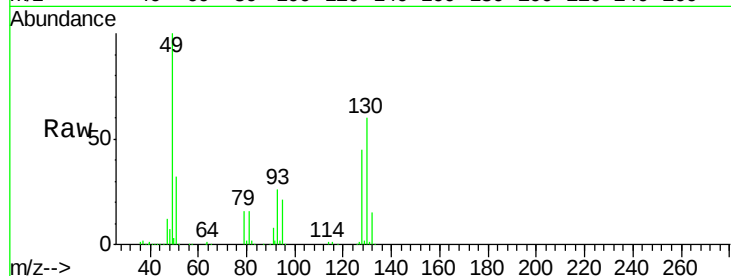
ClientSampleId :

VSTDIC0.1

Tgt Ion:	49	Resp:	761926
Ion Ratio	Lower	Upper	
49	100		
128	46.2	23.4	70.3
130	59.9	29.9	89.7

Manual Integrations
APPROVED

MMDadoda
3/15/2019 10:41:48 PM



#5

Vinyl Chloride

Concen: 0.105 ppbv

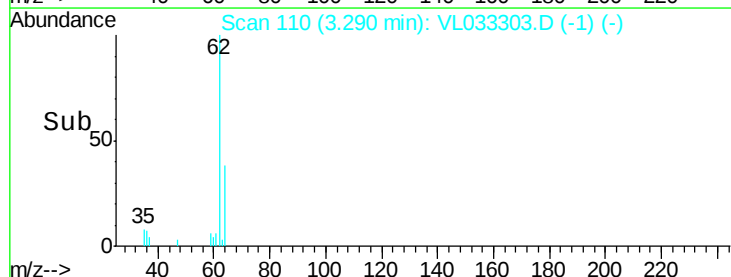
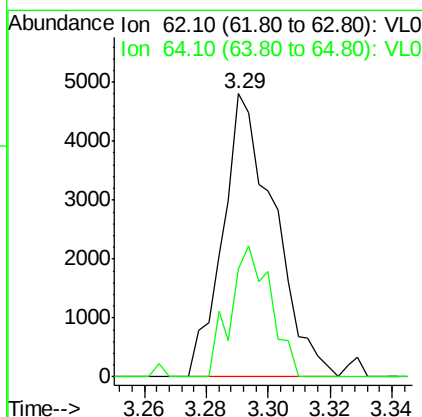
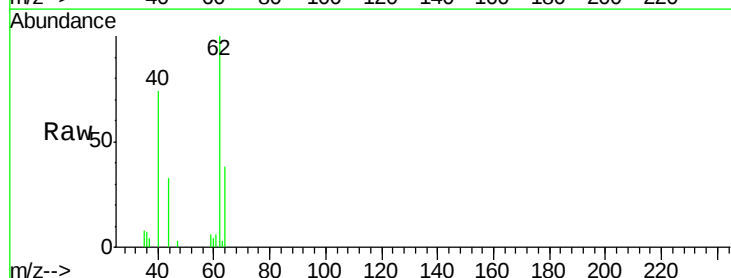
RT: 3.29 min Scan# 110

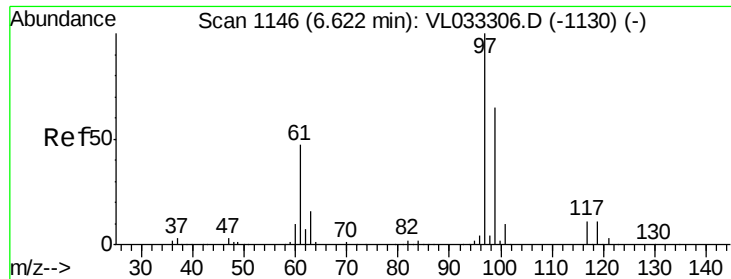
Delta R.T. -0.00 min

Lab File: VL033303.D

Acq: 13 Mar 2019 19:05

Tgt Ion:	62	Resp:	5562
Ion Ratio	Lower	Upper	
62	100		
64	37.0	25.5	38.3





#32

1,1,1-Trichloroethane

Concen: 0.105 ppbv m

RT: 6.61 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VL033303.D

Acq: 13 Mar 2019 19:05

Instrument :

MSVOA_L

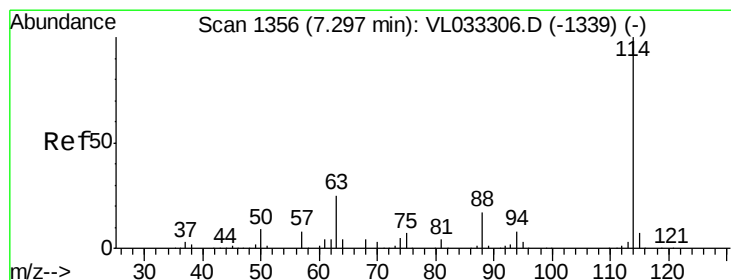
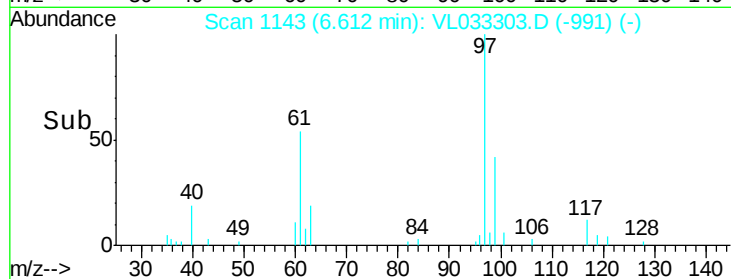
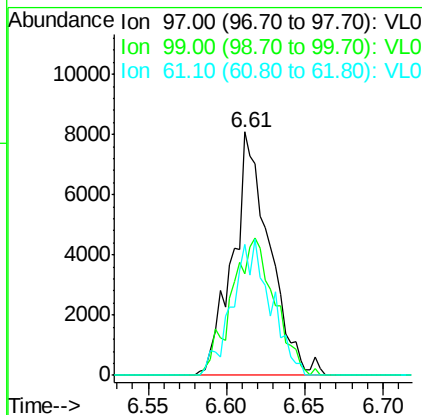
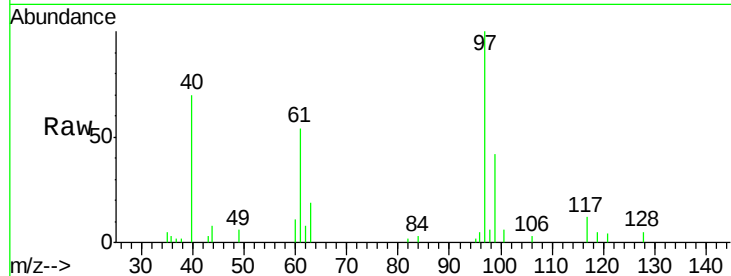
ClientSampleId :

VSTDIC0.1

Tgt Ion:	97	Resp:	13144
Ion	Ratio	Lower	Upper
97	100		
99	66.0	51.6	77.4
61	58.1	39.4	59.2

Manual Integrations
APPROVED

MMDadoda
3/15/2019 10:41:48 PM



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

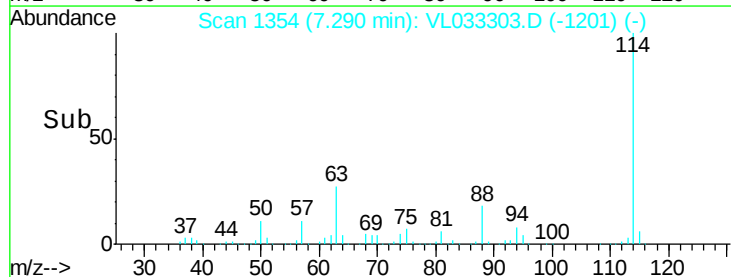
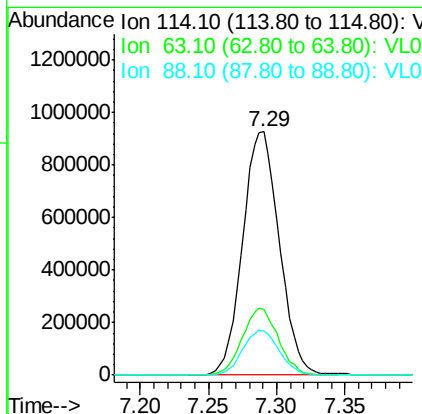
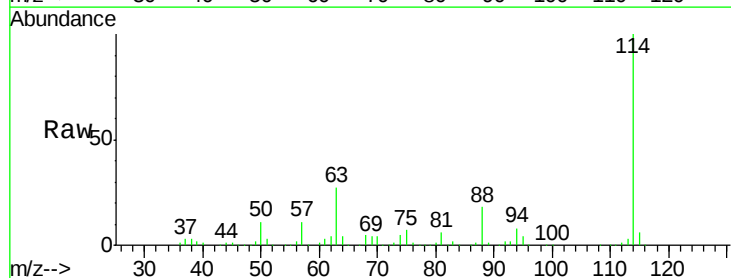
RT: 7.29 min Scan# 1354

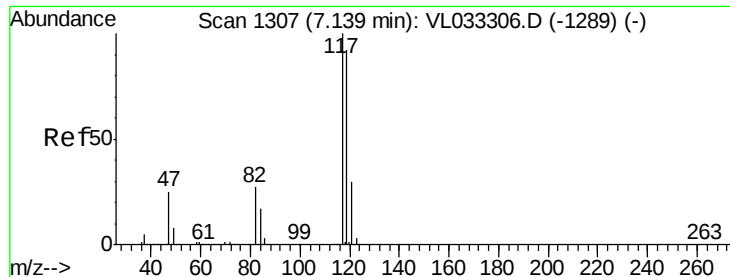
Delta R.T. -0.01 min

Lab File: VL033303.D

Acq: 13 Mar 2019 19:05

Tgt Ion:	114	Resp:	1728279
Ion	Ratio	Lower	Upper
114	100		
63	27.2	21.3	31.9
88	18.5	14.5	21.7





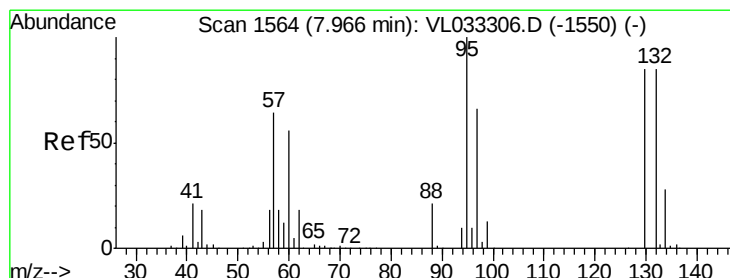
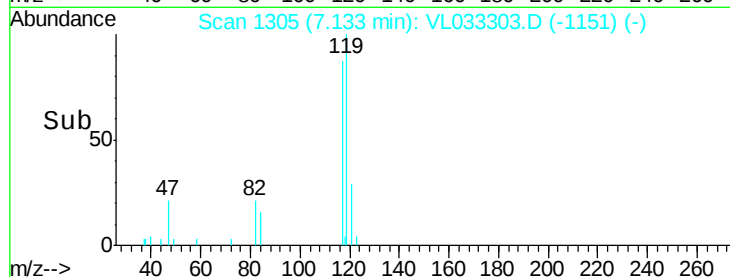
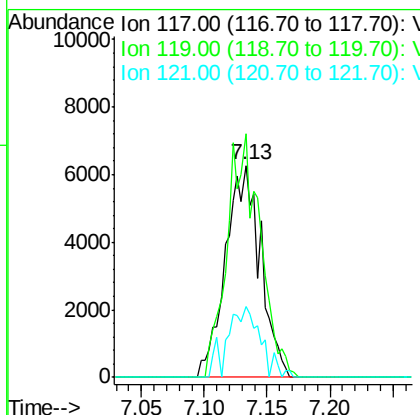
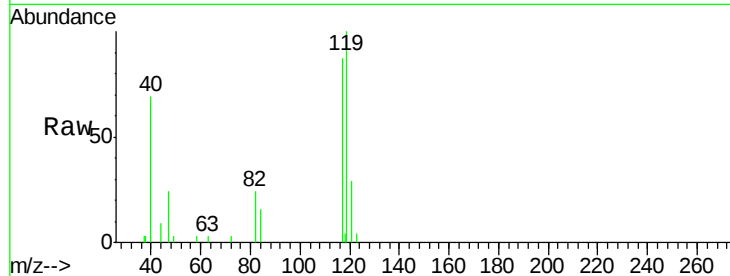
#35
Carbon Tetrachloride
Concen: 0.096 ppbv m
RT: 7.13 min Scan# 1305
Delta R.T. -0.00 min
Lab File: VL033303.D
Acq: 13 Mar 2019 19:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	12115		
119	114.9	75.9	113.9#	
121	33.3	25.2	37.8	

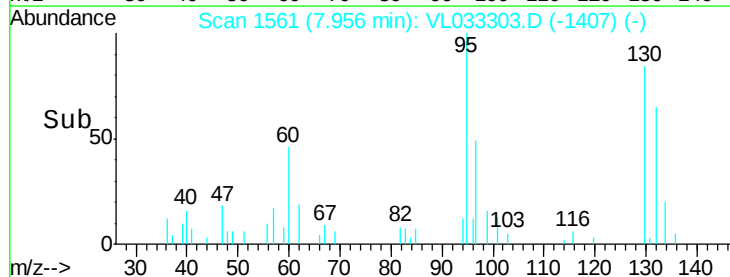
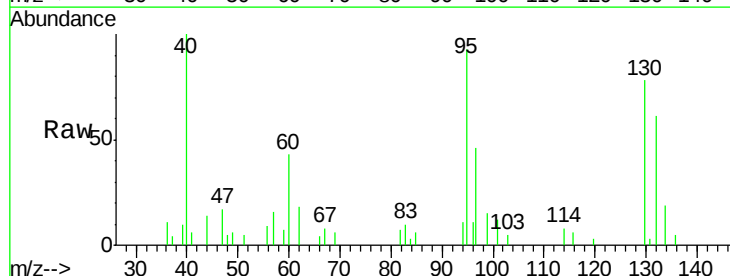
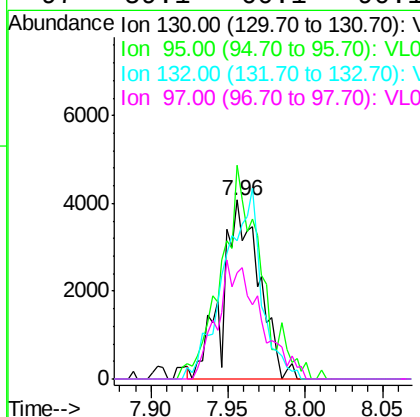
Manual Integrations
APPROVED

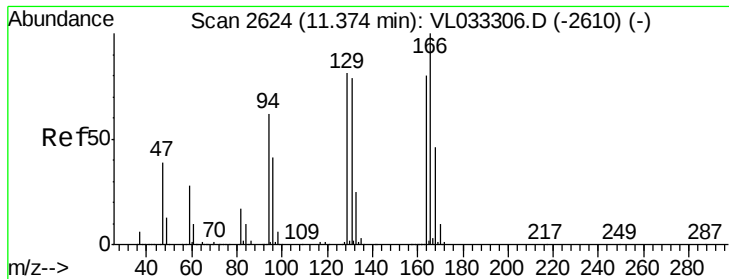
MMDadoda
3/15/2019 10:41:48 PM



#38
Trichloroethene
Concen: 0.107 ppbv m
RT: 7.96 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VL033303.D
Acq: 13 Mar 2019 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	6626		
95	119.5	95.2	142.8	
132	77.7	72.5	108.7	
97	59.1	60.1	90.1#	





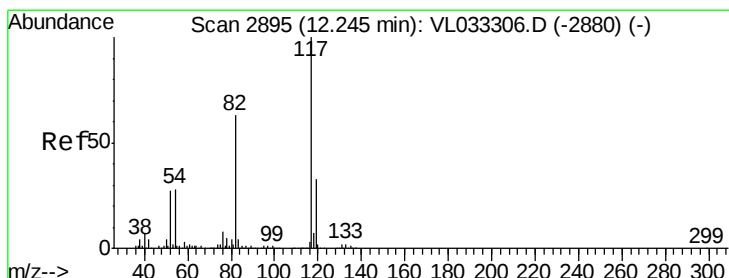
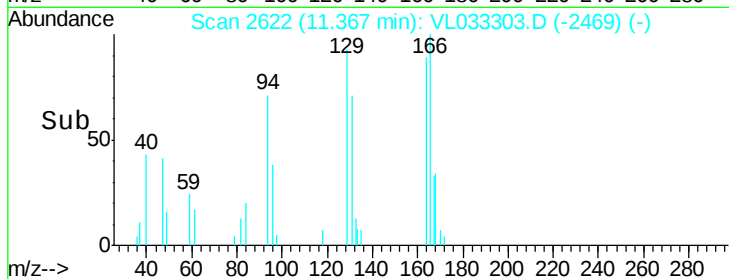
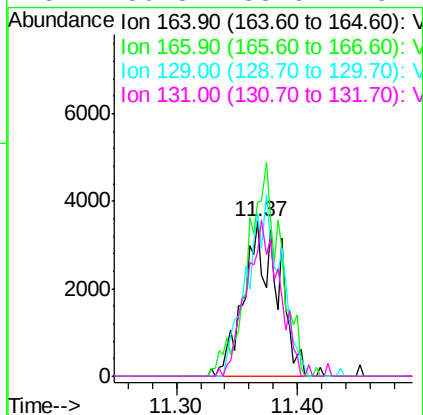
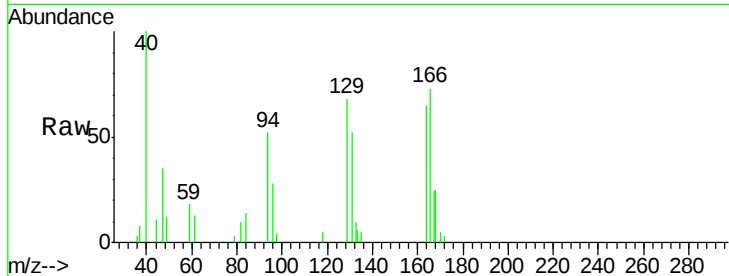
#52
Tetrachloroethene
Concen: 0.119 ppbv m
RT: 11.37 min Scan# 2622
Delta R.T. -0.01 min
Lab File: VL033303.D
Acq: 13 Mar 2019 19:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tgt Ion	Ratio	Lower	Upper
164	100		
166	112.8	103.2	154.8
129	105.5	85.8	128.8
131	80.3	83.6	125.4

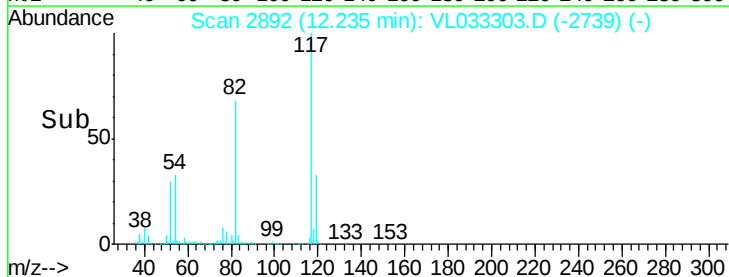
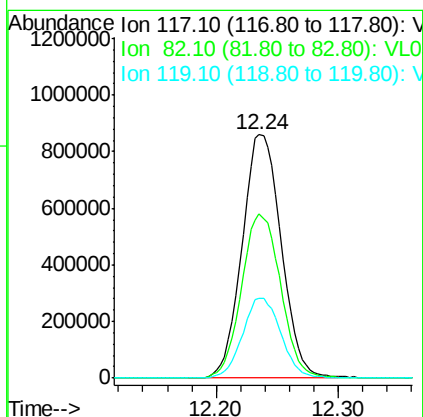
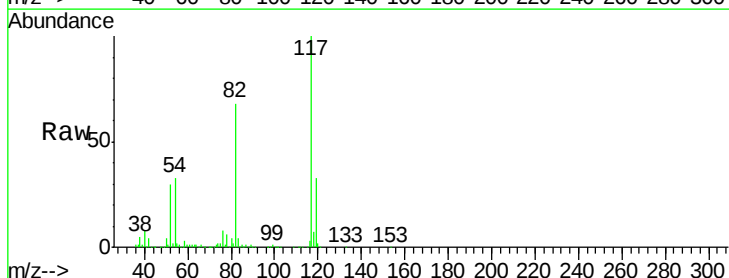
Manual Integrations
APPROVED

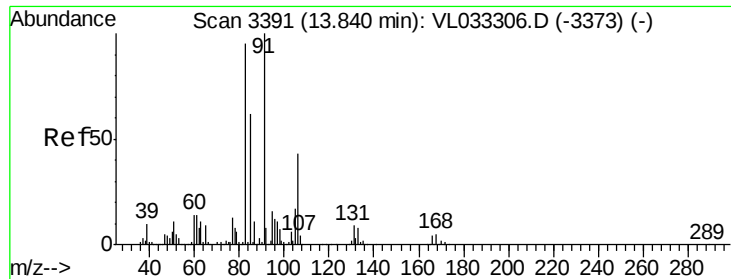
MMDadoda
3/15/2019 10:41:48 PM



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033303.D
Acq: 13 Mar 2019 19:05

Tgt Ion	Ratio	Lower	Upper
117	100		
82	67.8	51.3	76.9
119	32.4	27.0	40.4





#63

1,1,2,2-Tetrachloroethane

Concen: 0.109 ppbv m

RT: 13.84 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VL033303.D

Acq: 13 Mar 2019 19:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tgt Ion: 83 Resp: 15352

Ion Ratio Lower Upper

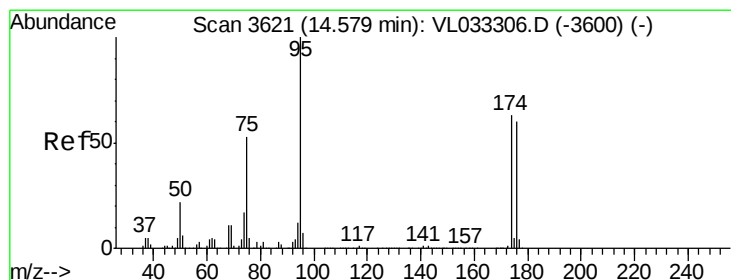
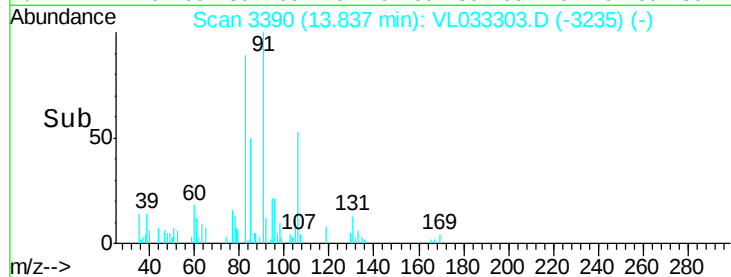
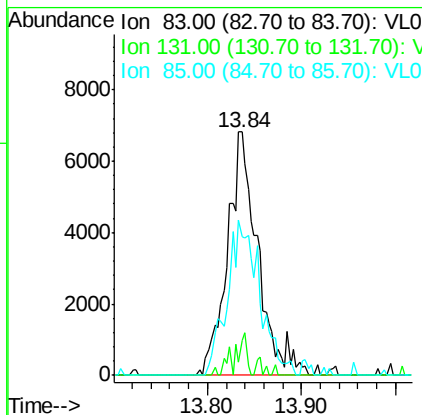
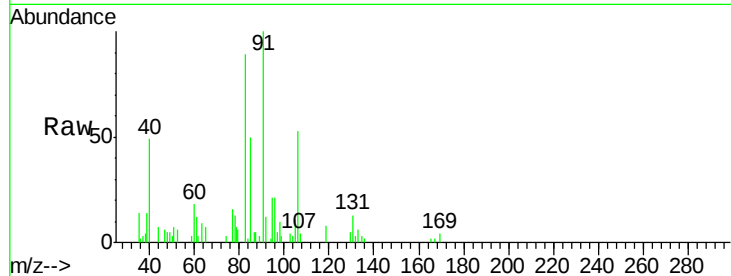
83 100

131 0.0 4.6 13.8#

85 0.0 32.5 97.4#

Manual Integrations
APPROVED

MMDadoda
3/15/2019 10:41:48 PM



#68

1-Bromo-4-Fluorobenzene

Concen: 10.256 ppbv

RT: 14.57 min Scan# 3619

Delta R.T. -0.01 min

Lab File: VL033303.D

Acq: 13 Mar 2019 19:05

Tgt Ion: 95 Resp: 1507924

Ion Ratio Lower Upper

95 100

174 64.9 51.9 77.9

175 4.8 3.9 5.9

