

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL050318\
 Data File : VL031965.D
 Acq On : 3 May 2018 14:40
 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
 5/4/2018 5:01:01 PM

Quant Time: May 03 15:21:17 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL050318AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 03 2018
 QLast Update : Thu May 03 12:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.88	49	1229553	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.42	114	3154532	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	2599299	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.72	95	2078840	9.95	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.38	62	2955m	0.04	ppbv	
32) 1,1,1-Trichloroethane	6.76	97	8166m	0.04	ppbv	
35) Carbon Tetrachloride	7.27	117	9120m	0.03	ppbv	
38) Trichloroethene	8.11	130	3632m	0.03	ppbv	
52) Tetrachloroethene	11.52	164	3153m	0.03	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.98	83	7731m	0.03	ppbv	

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

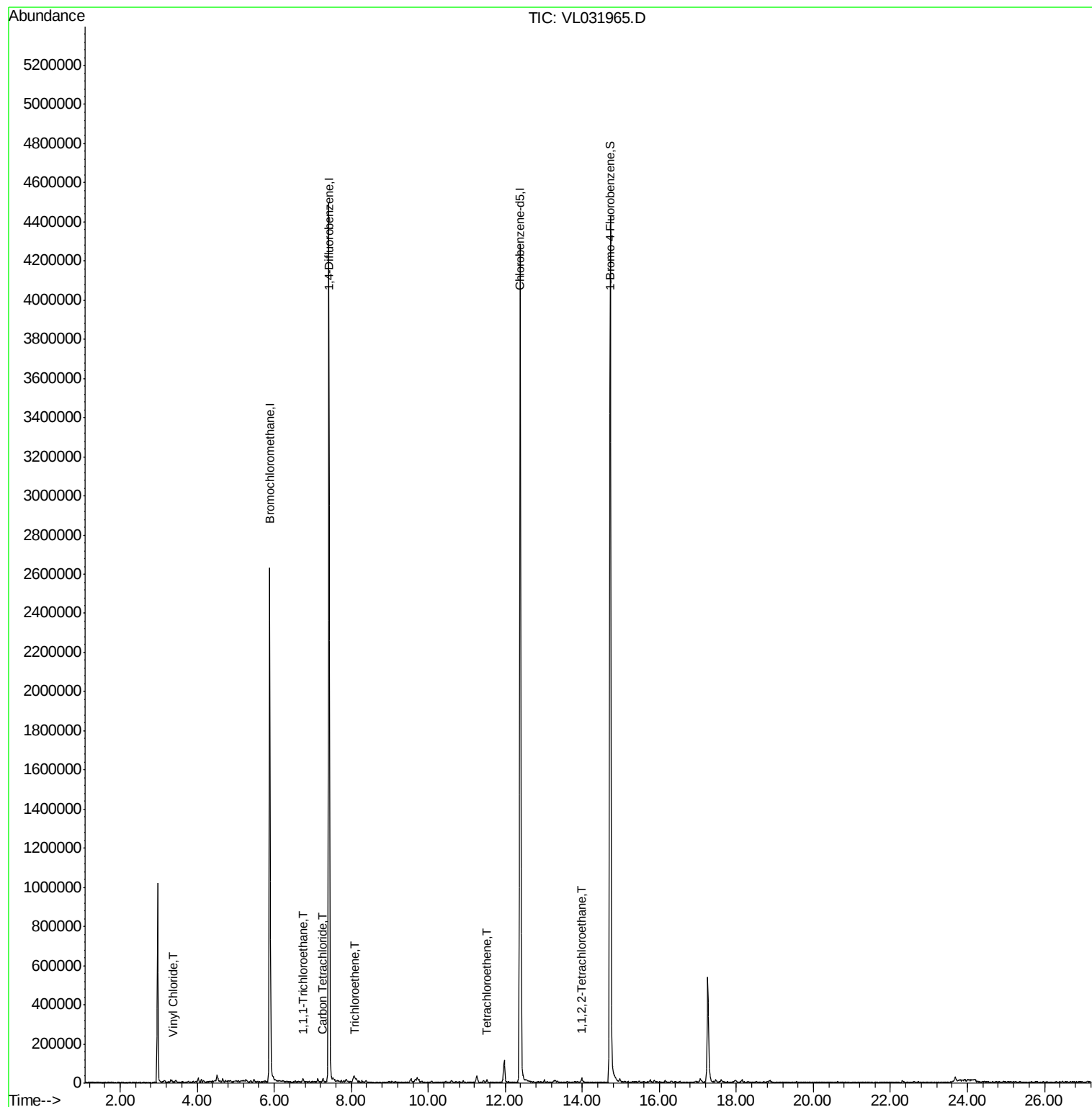
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL050318\
Data File : VL031965.D
Acq On : 3 May 2018 14:40
Operator : SY/AP
Sample : VSTDICC0.03
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

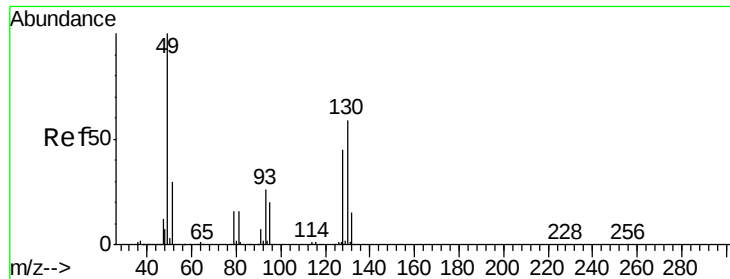
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

MMDadoda
5/4/2018 5:01:01 PM

Quant Time: May 03 15:21:17 2018
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL050318AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May
QLast Update : Thu May 03 12:00:23 2018
Response via : Initial Calibration





#1

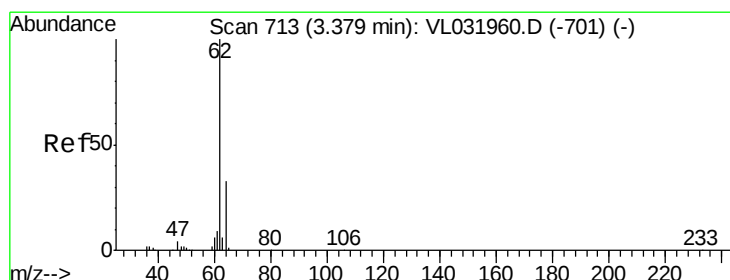
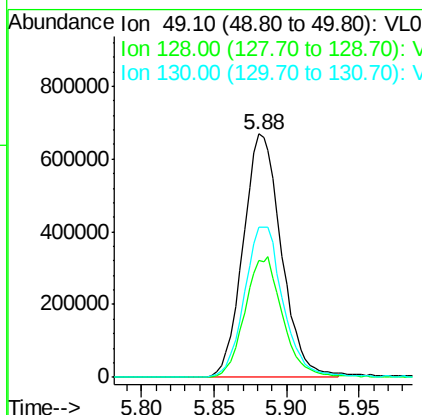
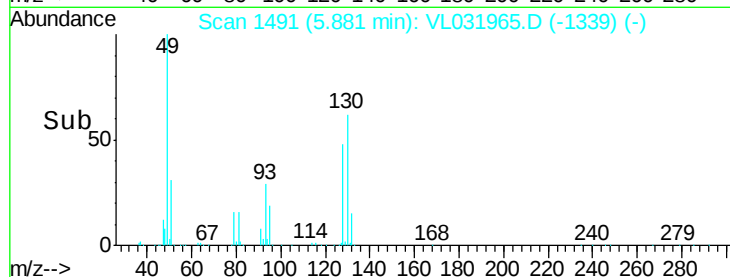
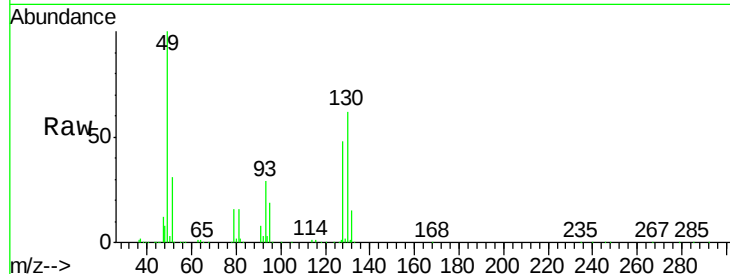
Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.88 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: VL031965.D
 Acq: 3 May 2018 14:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
49	100		
128	49.0	23.9	71.7
130	63.2	30.9	92.7

Manual Integrations
 APPROVED

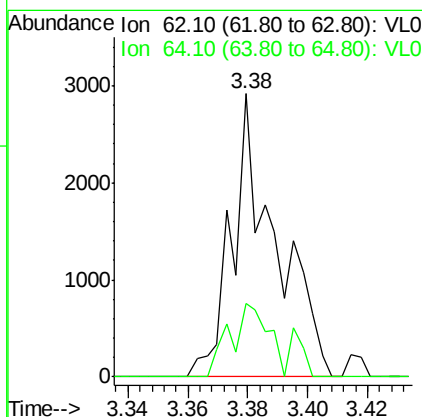
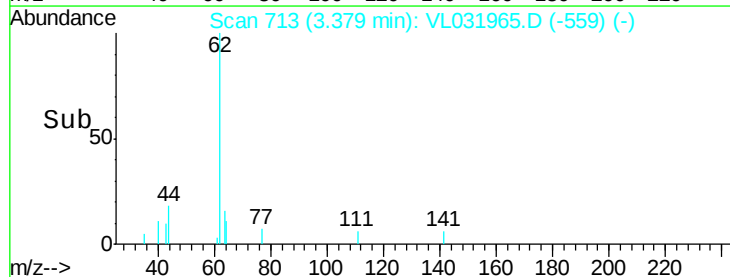
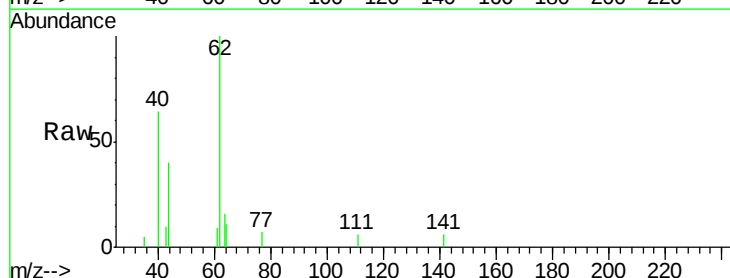
MMDadoda
 5/4/2018 5:01:01 PM

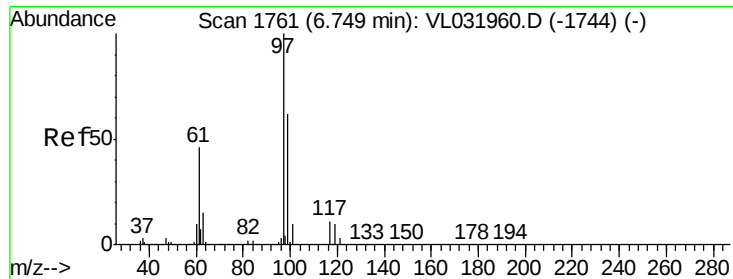


#5

Vinyl Chloride
 Concen: 0.04 ppbv m
 RT: 3.38 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VL031965.D
 Acq: 3 May 2018 14:40

Tgt Ion	Ratio	Lower	Upper
62	100		
64	15.5	25.9	38.9





#32

1,1,1-Trichloroethane

Concen: 0.04 ppbv m

RT: 6.76 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VL031965.D

Acq: 3 May 2018 14:40

Instrument :

MSVOA_L

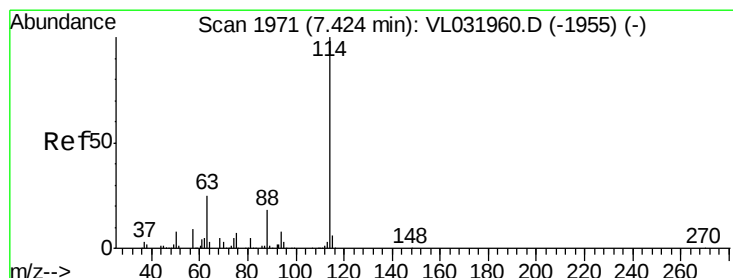
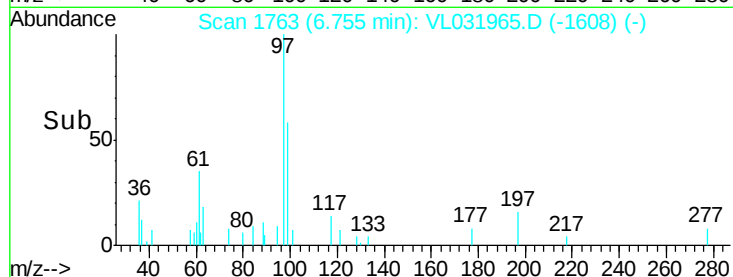
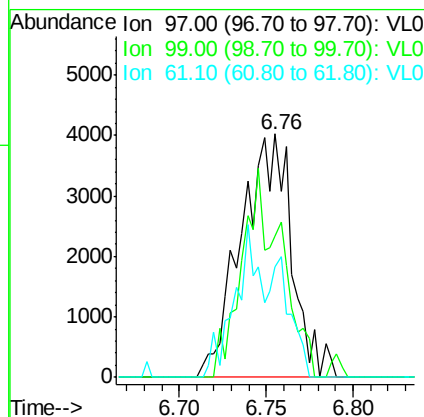
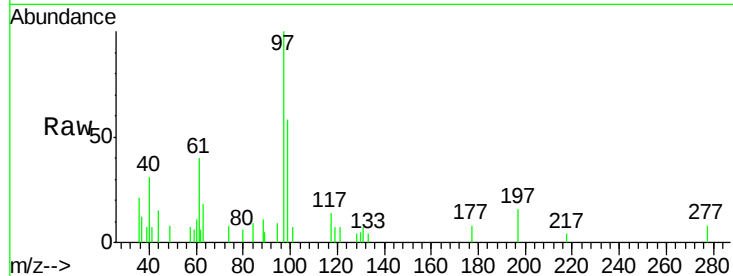
ClientSampleId :

VSTDIC0.03

Tot Ion:	97	Resp:	8166
Ion	Ratio	Lower	Upper
97	100		
99	68.4	51.5	77.3
61	0.0	40.0	60.0#

Manual Integrations
APPROVED

MMDadoda
5/4/2018 5:01:01 PM



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

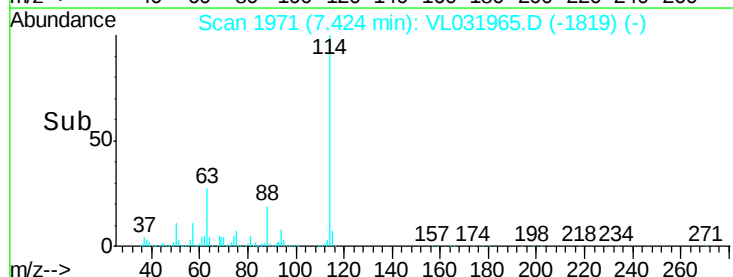
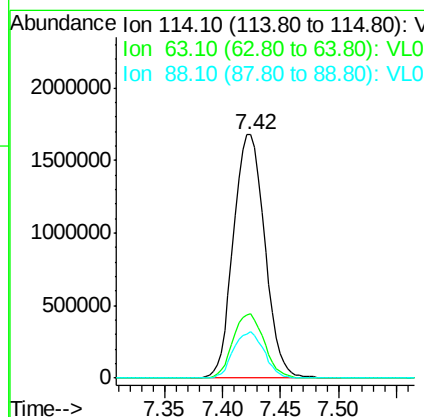
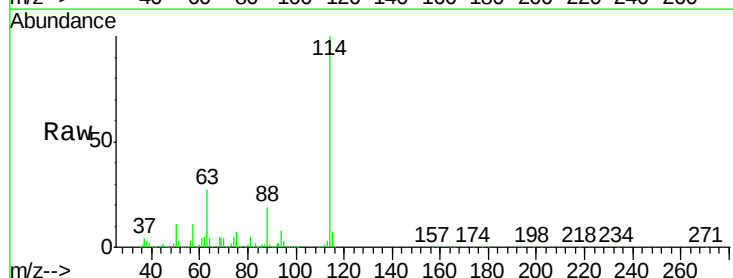
RT: 7.42 min Scan# 1971

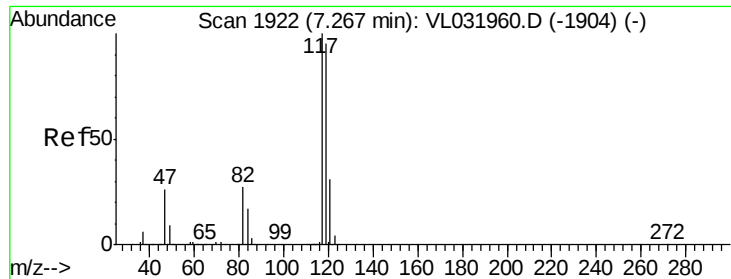
Delta R.T. -0.01 min

Lab File: VL031965.D

Acq: 3 May 2018 14:40

Tgt Ion:	114	Resp:	3154532
Ion	Ratio	Lower	Upper
114	100		
63	26.4	21.8	32.6
88	18.7	14.6	22.0





#35

Carbon Tetrachloride

Concen: 0.03 ppbv m

RT: 7.27 min Scan# 1922

Delta R.T. -0.01 min

Lab File: VL031965.D

Acq: 3 May 2018 14:40

Instrument :

MSVOA_L

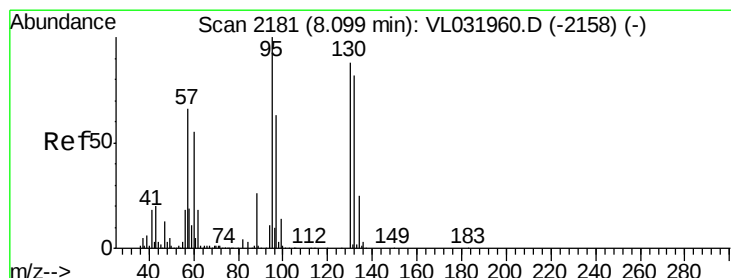
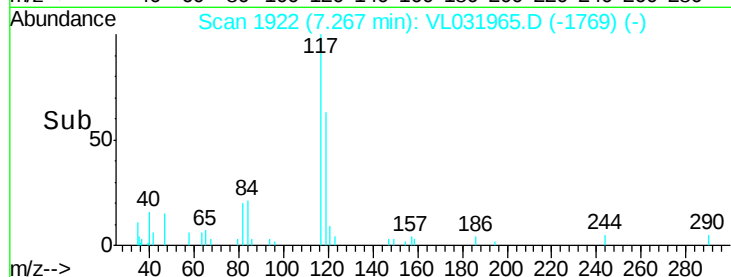
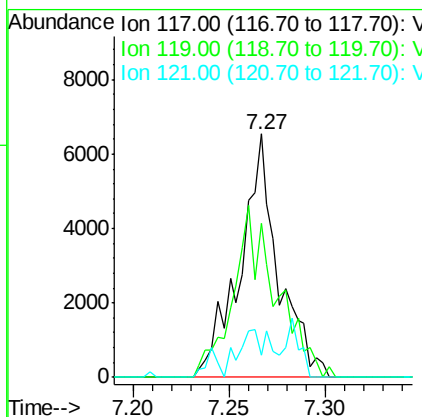
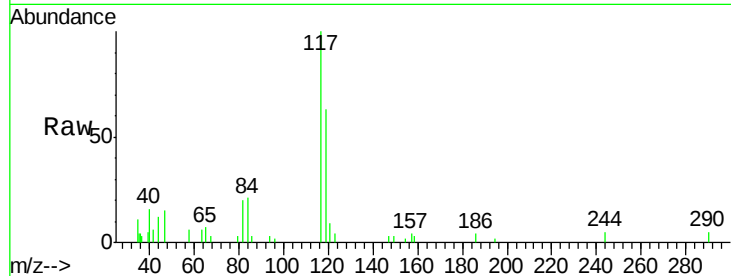
ClientSampleId :

VSTDIC0.03

Tot Ion:	117	Resp:	9120
Ion Ratio	Lower	Upper	
117	100		
119	63.3	76.9	115.3#
121	9.3	24.5	36.7#

Manual Integrations
APPROVED

MMDadoda
5/4/2018 5:01:01 PM



#38

Trichloroethene

Concen: 0.03 ppbv m

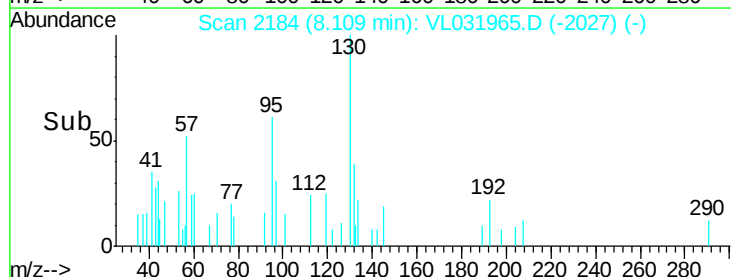
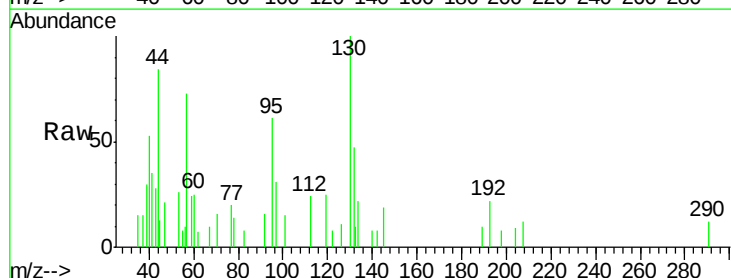
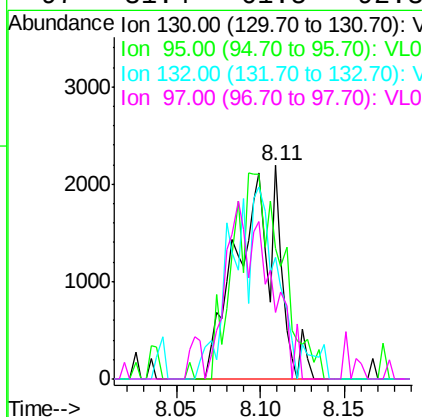
RT: 8.11 min Scan# 2184

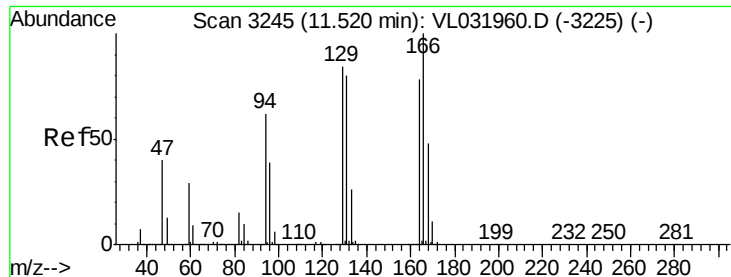
Delta R.T. 0.01 min

Lab File: VL031965.D

Acq: 3 May 2018 14:40

Tgt Ion:	130	Resp:	3632
Ion Ratio	Lower	Upper	
130	100		
95	61.0	96.6	144.8#
132	47.1	79.1	118.7#
97	31.4	61.5	92.3#





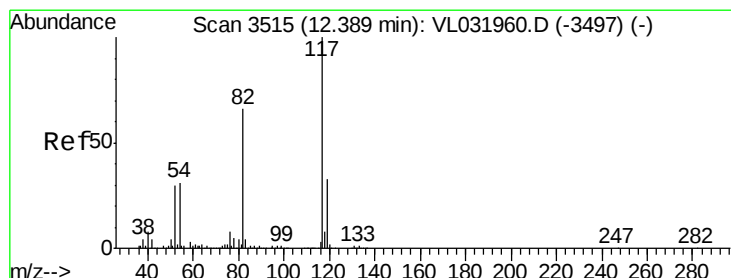
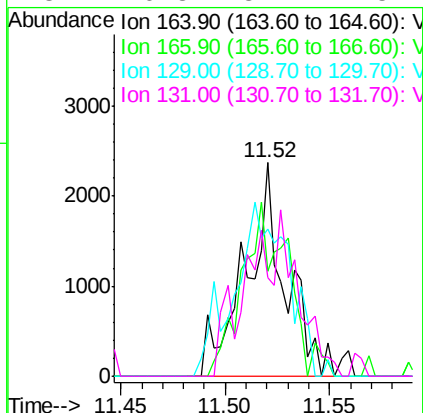
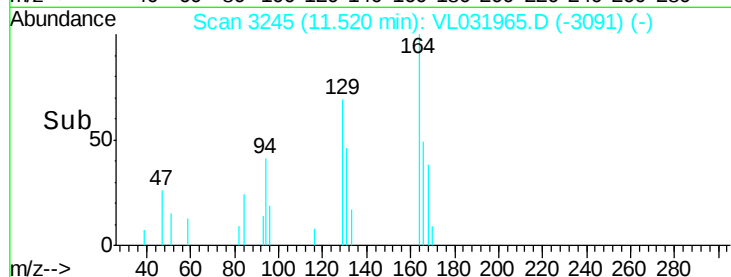
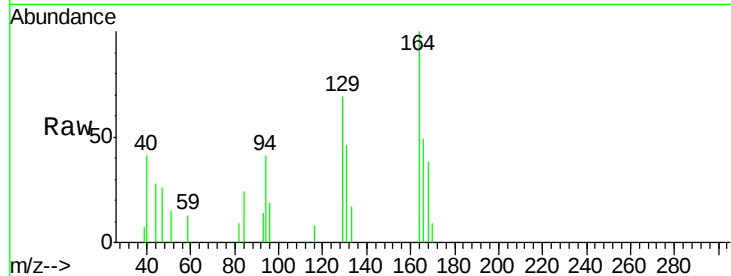
#52
Tetrachloroethene
Concen: 0.03 ppbv m
RT: 11.52 min Scan# 3245
Delta R.T. -0.00 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
164	100		
166	49.0	98.2	147.4#
129	69.2	86.5	129.7#
131	46.3	82.2	123.2#

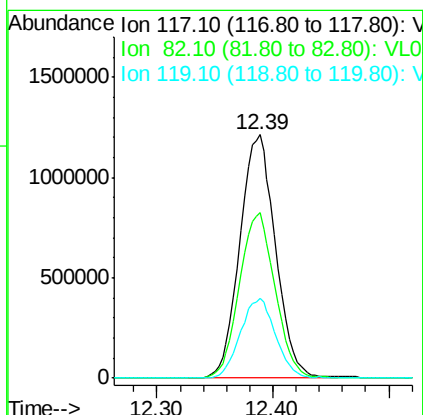
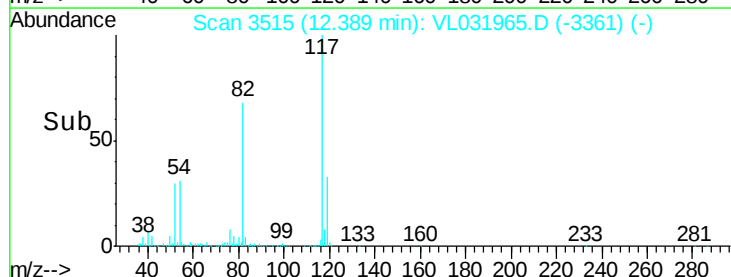
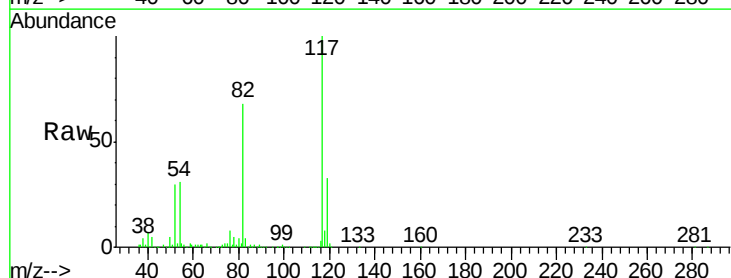
Manual Integrations
APPROVED

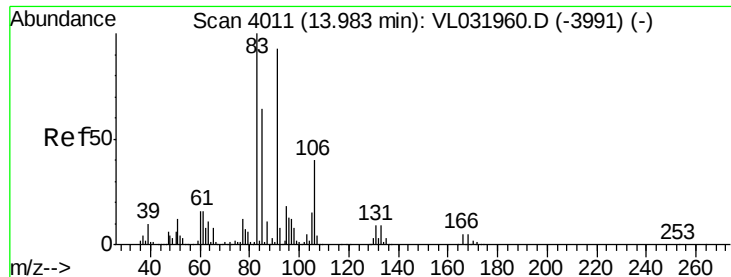
MMDadoda
5/4/2018 5:01:01 PM



#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.39 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VL031965.D
Acq: 3 May 2018 14:40

Tgt Ion	Ratio	Lower	Upper
117	100		
82	68.3	54.6	81.8
119	32.7	26.0	39.0





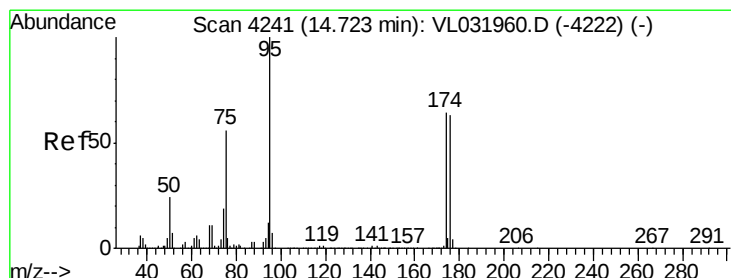
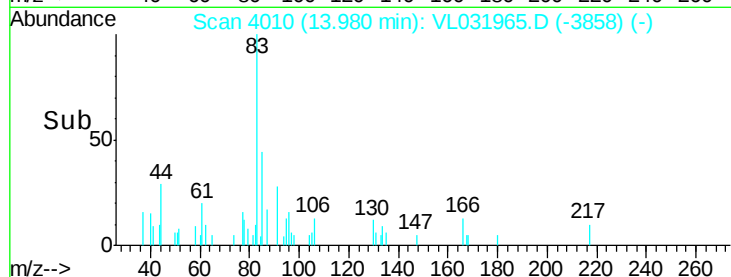
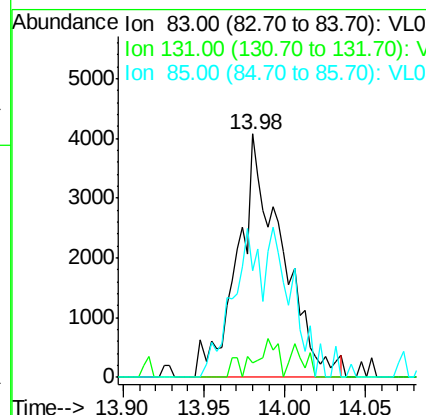
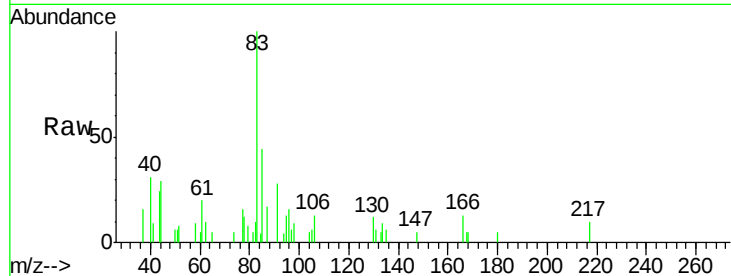
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.03 ppbv m
 RT: 13.98 min Scan# 4010
 Delta R.T. -0.01 min
 Lab File: VL031965.D
 Acq: 3 May 2018 14:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tot Ion	83	Resp	7731
Ion Ratio	100	Lower	Upper
83	100		
131	13.1	4.9	14.6
85	74.7	32.2	96.6

Manual Integrations
 APPROVED

MMDadoda
 5/4/2018 5:01:01 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.95 ppbv
 RT: 14.72 min Scan# 4241
 Delta R.T. -0.01 min
 Lab File: VL031965.D
 Acq: 3 May 2018 14:40

Tgt Ion	95	Resp	2078840
Ion Ratio	100	Lower	Upper
95	100		
174	65.7	52.3	78.5
175	4.7	3.9	5.9

