

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL041918\
 Data File : VL031885.D
 Acq On : 19 Apr 2018 19:45
 Operator : SY/AP
 Sample : J2133-14 0.06 PPBV
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2018

Manual Integrations
 APPROVED

sam
 4/23/2018 12:50:03 PM

Quant Time: Apr 20 08:42:40 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL041218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Apr 13 16:50:02 2018
 QLast Update : Fri Apr 13 16:50:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.89	49	1190194	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.42	114	2736390	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	2708289	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.73	95	2191563	10.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.39	62	5588m	0.07	ppbv	
32) 1,1,1-Trichloroethane	6.75	97	15533m	0.07	ppbv	
35) Carbon Tetrachloride	7.26	117	16634m	0.07	ppbv	
38) Trichloroethene	8.11	130	6647	0.07	ppbv #	68
52) Tetrachloroethene	11.52	164	5987m	0.06	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.98	83	14321m	0.06	ppbv	

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

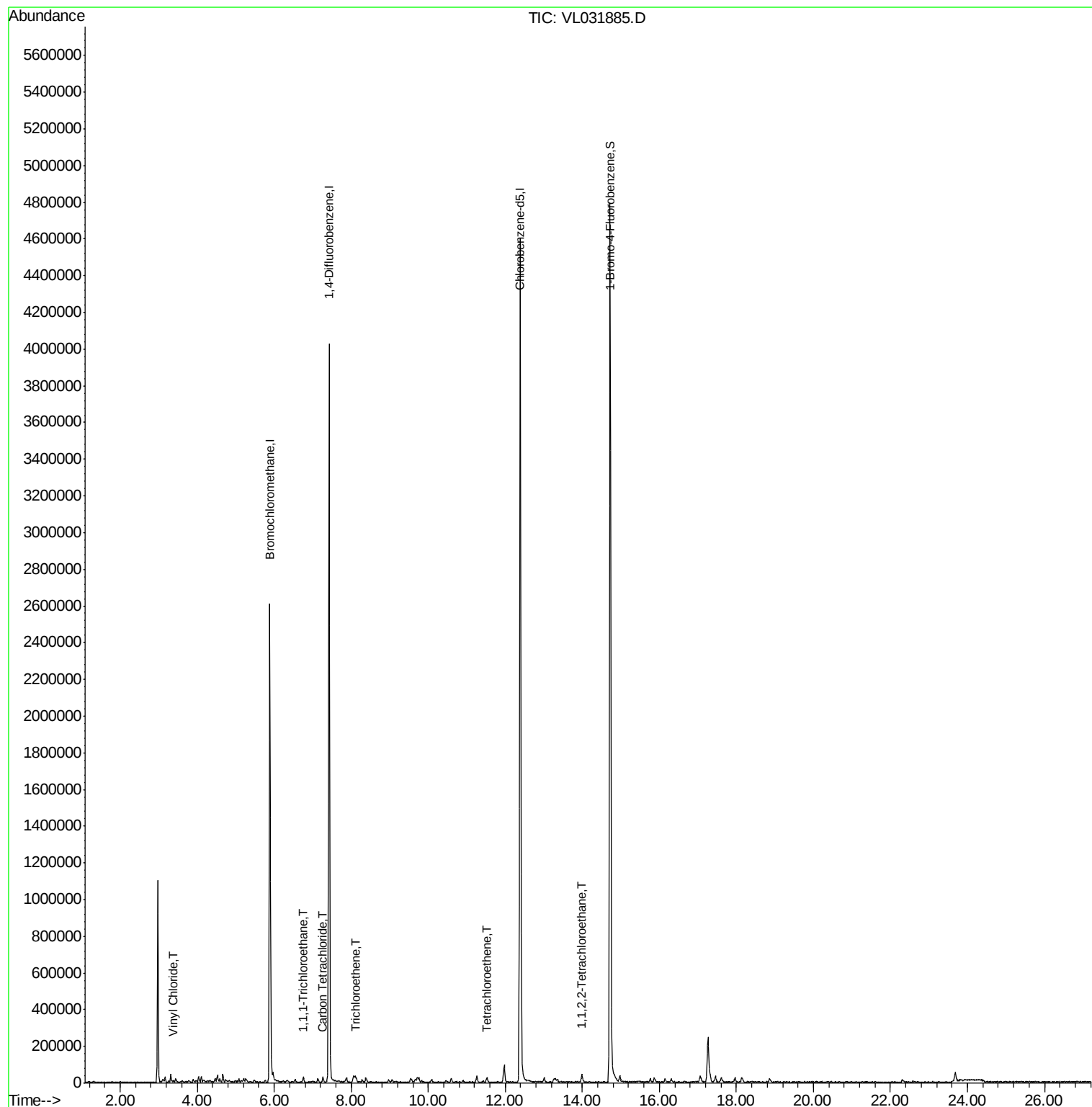
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL041918\
Data File : VL031885.D
Acq On : 19 Apr 2018 19:45
Operator : SY/AP
Sample : J2133-14 0.06 PPBV
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

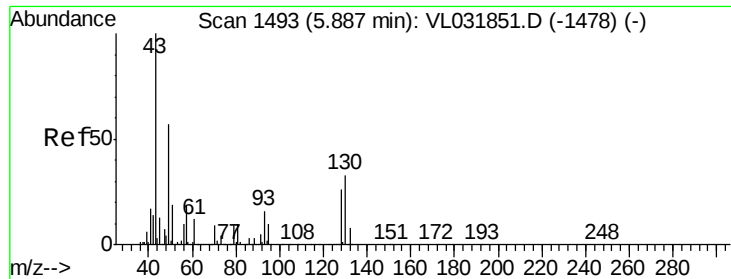
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Manual Integrations
APPROVED

sam
4/23/2018 12:50:03 PM

Quant Time: Apr 20 08:42:40 2018
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL041218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Apr
QLast Update : Fri Apr 13 16:50:02 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.89 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VL031885.D

Acq: 19 Apr 2018 19:45

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2018

Tot Ion: 49 Resp: 1190194

Ion Ratio Lower Upper

49 100

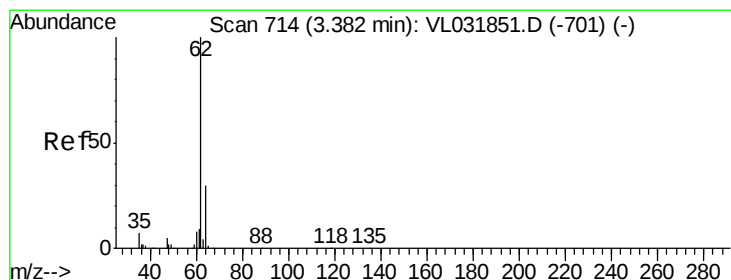
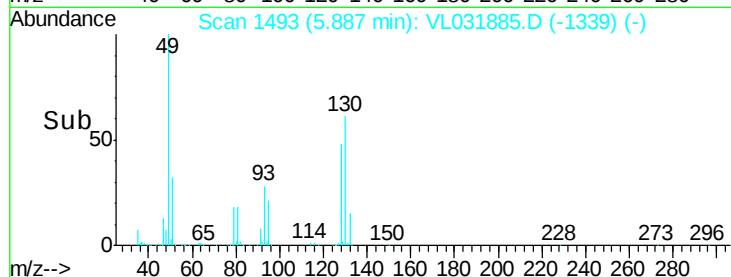
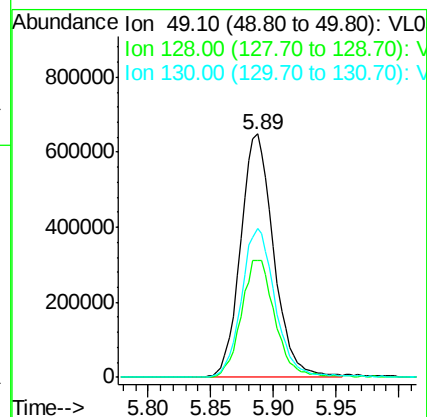
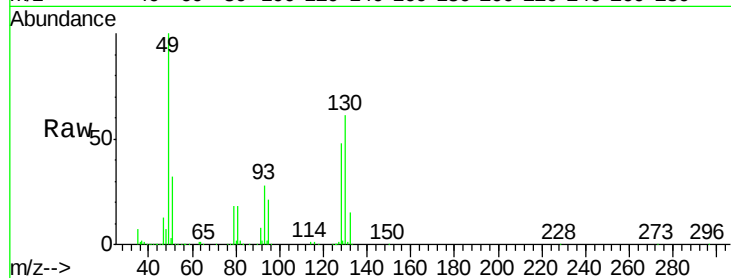
128 49.4 23.9 71.7

130 62.8 30.9 92.7

Manual Integrations
APPROVED

sam

4/23/2018 12:50:03 PM



#5

Vinyl Chloride

Concen: 0.07 ppbv m

RT: 3.39 min Scan# 716

Delta R.T. 0.01 min

Lab File: VL031885.D

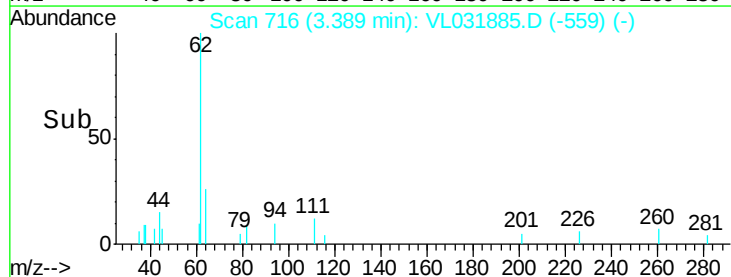
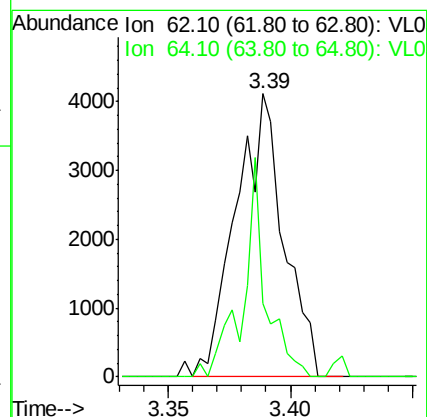
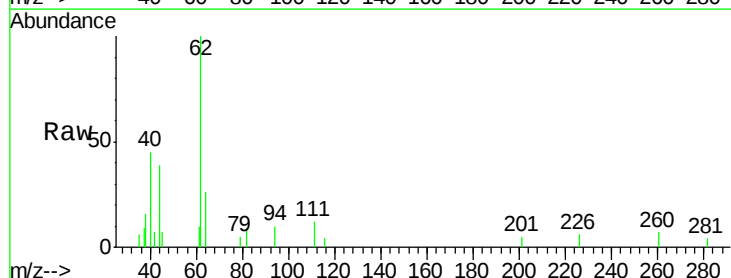
Acq: 19 Apr 2018 19:45

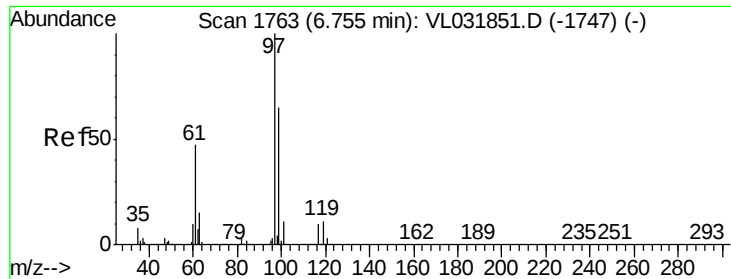
Tgt Ion: 62 Resp: 5588

Ion Ratio Lower Upper

62 100

64 26.0 25.9 38.9





#32

1,1,1-Trichloroethane

Concen: 0.07 ppbv m

RT: 6.75 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VL031885.D

Acq: 19 Apr 2018 19:45

Instrument :

MSVOA_L

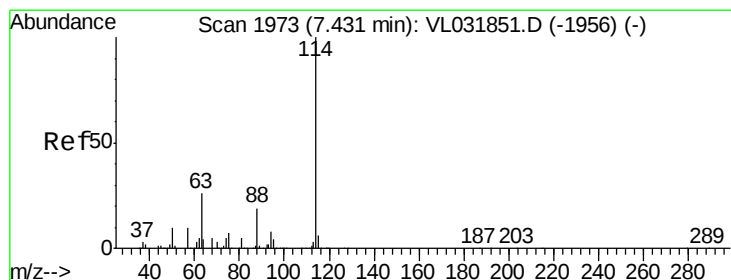
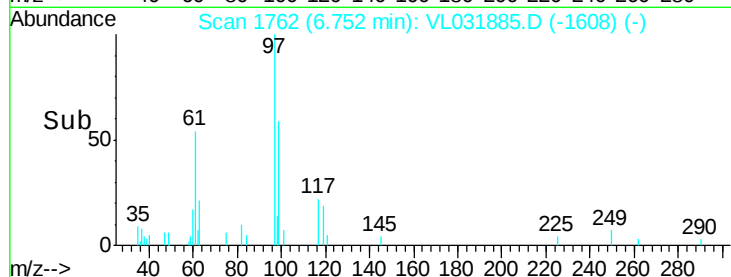
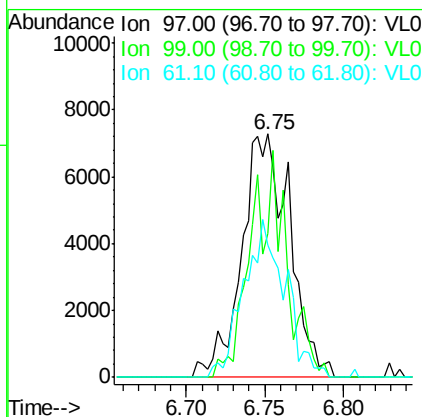
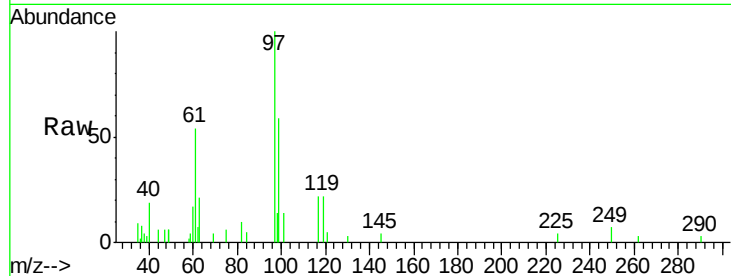
ClientSampleId :

LOQ-AIR-02-QT2-2018

Tot Ion:	97	Resp:	15533
Ion	Ratio	Lower	Upper
97	100		
99	68.7	51.5	77.3
61	55.8	40.0	60.0

Manual Integrations
APPROVED

sam
4/23/2018 12:50:03 PM



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

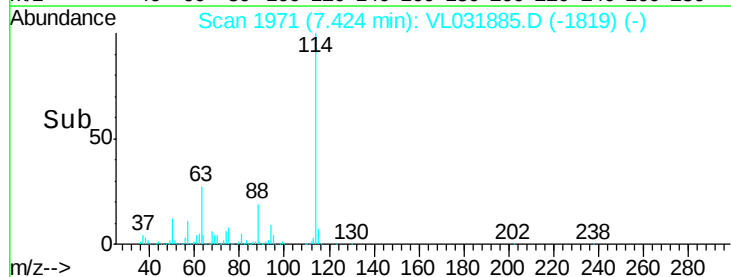
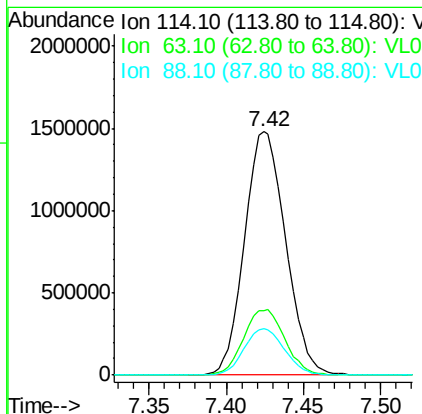
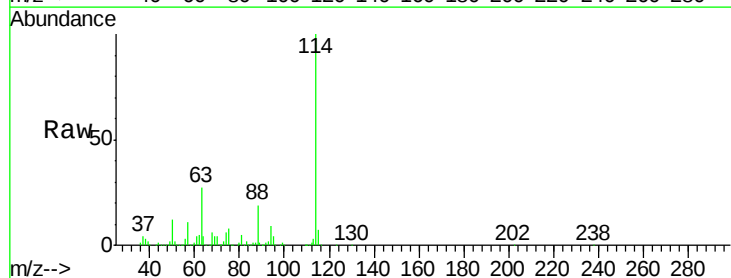
RT: 7.42 min Scan# 1971

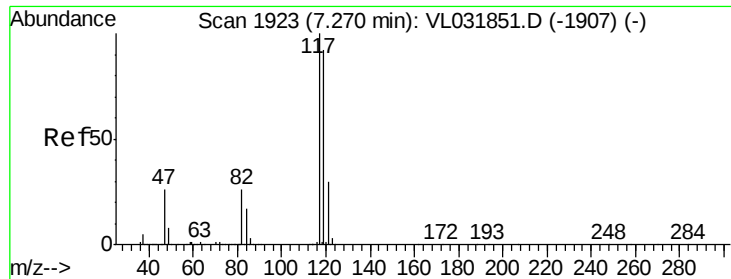
Delta R.T. -0.01 min

Lab File: VL031885.D

Acq: 19 Apr 2018 19:45

Tgt Ion:	114	Resp:	2736390
Ion	Ratio	Lower	Upper
114	100		
63	27.2	21.8	32.6
88	18.7	14.6	22.0





#35

Carbon Tetrachloride

Concen: 0.07 ppbv m

RT: 7.26 min Scan# 1921

Delta R.T. -0.01 min

Lab File: VL031885.D

Acq: 19 Apr 2018 19:45

Instrument :

MSVOA_L

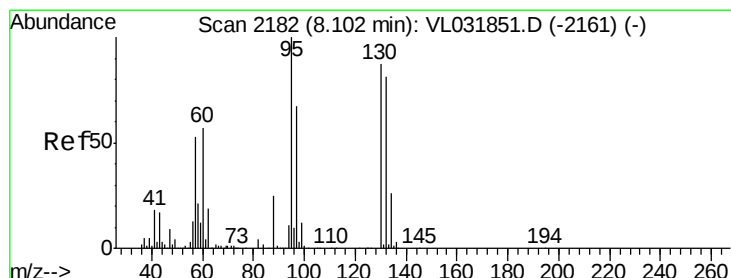
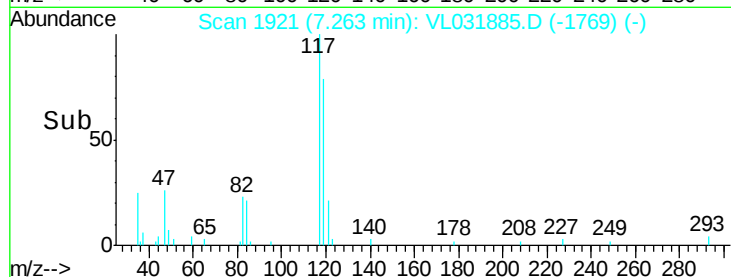
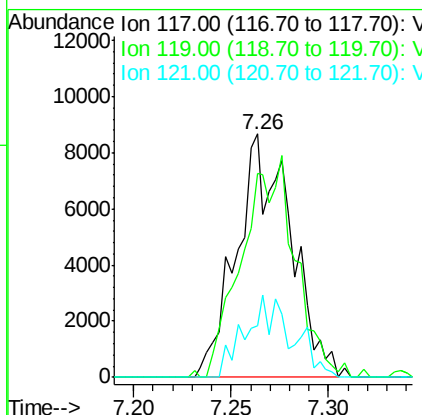
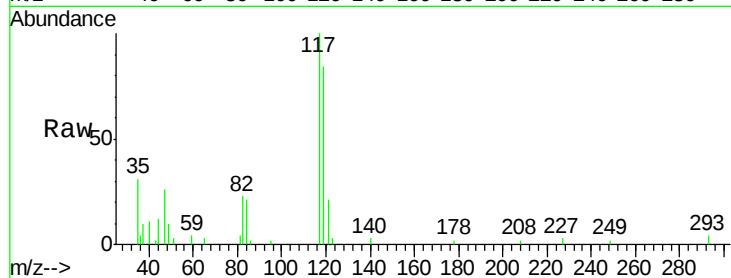
ClientSampleId :

LOQ-AIR-02-QT2-2018

Tot Ion:	117	Resp:	16634
Ion Ratio	Lower	Upper	
117	100		
119	83.6	76.9	115.3
121	21.2	24.5	36.7#

Manual Integrations
APPROVED

sam
4/23/2018 12:50:03 PM



#38

Trichloroethene

Concen: 0.07 ppbv

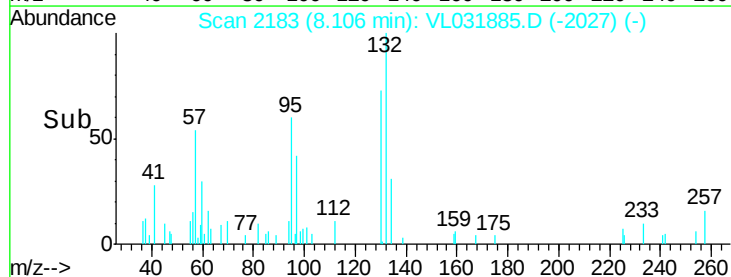
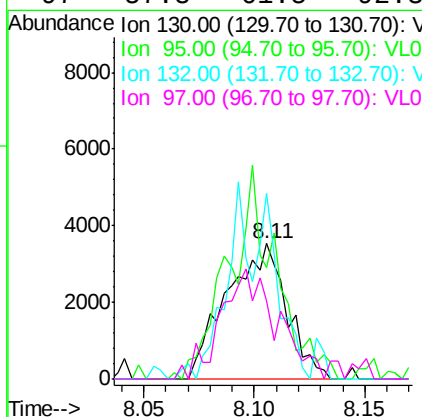
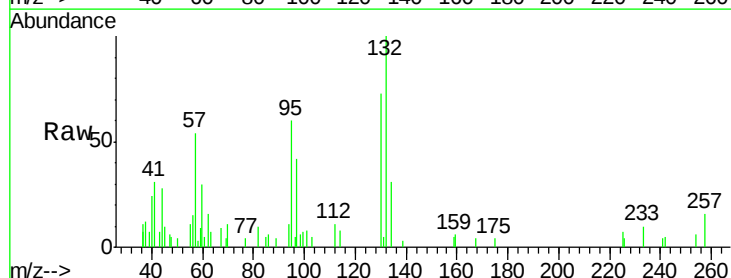
RT: 8.11 min Scan# 2183

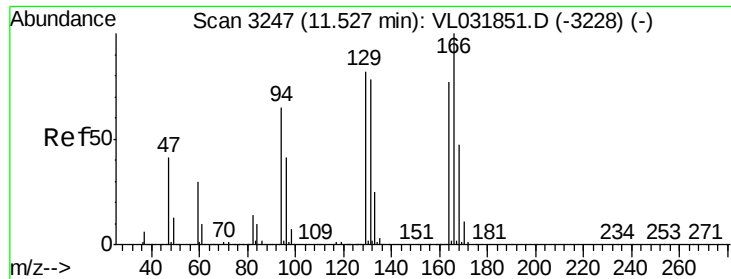
Delta R.T. 0.00 min

Lab File: VL031885.D

Acq: 19 Apr 2018 19:45

Tgt Ion:	130	Resp:	6647
Ion Ratio	Lower	Upper	
130	100		
95	82.8	96.6	144.8#
132	137.3	79.1	118.7#
97	57.8	61.5	92.3#





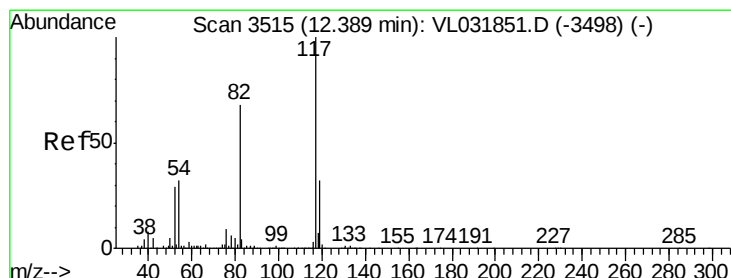
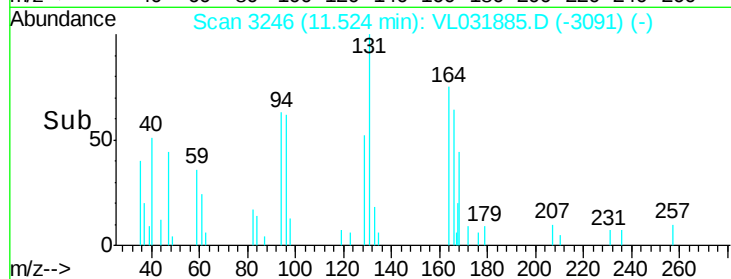
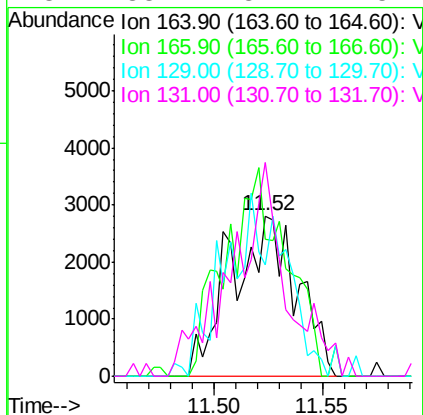
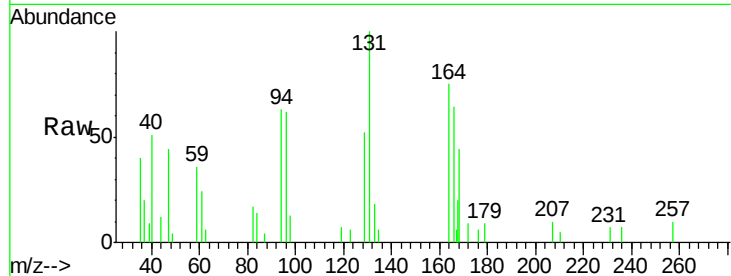
#52
Tetrachloroethene
Concen: 0.06 ppbv m
RT: 11.52 min Scan# 3246
Delta R.T. -0.00 min
Lab File: VL031885.D
Acq: 19 Apr 2018 19:45

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2018

Tot Ion	Ratio	Lower	Upper
164	100		
166	85.7	98.2	147.4#
129	69.5	86.5	129.7#
131	133.2	82.2	123.2#

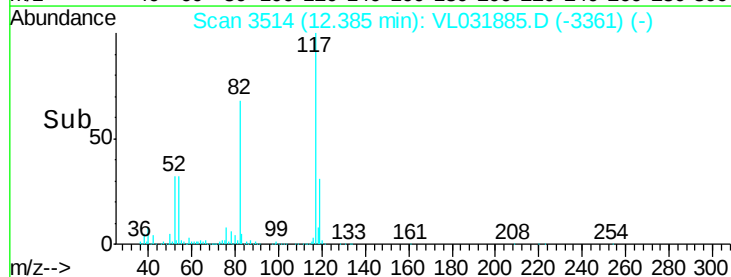
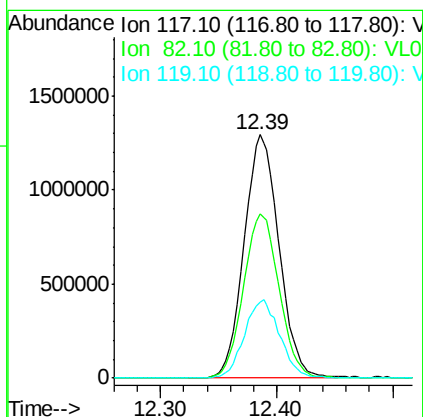
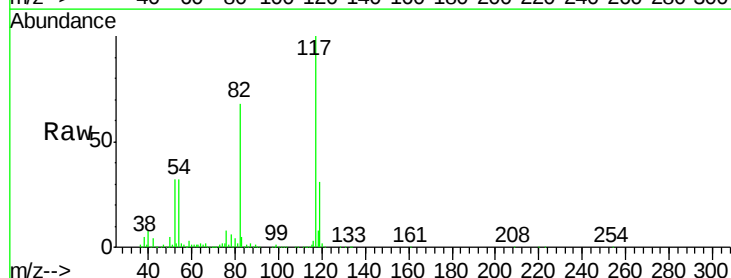
Manual Integrations
APPROVED

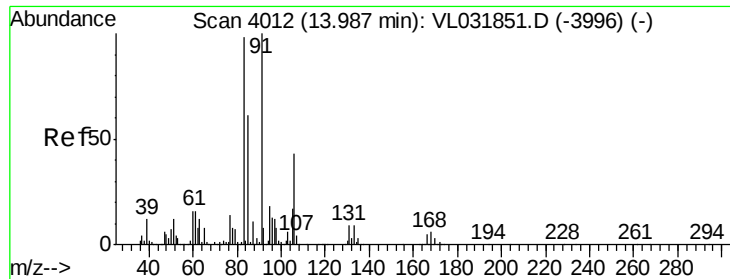
sam
4/23/2018 12:50:03 PM



#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.39 min Scan# 3514
Delta R.T. -0.01 min
Lab File: VL031885.D
Acq: 19 Apr 2018 19:45

Tgt Ion	Ratio	Lower	Upper
117	100		
82	69.6	54.6	81.8
119	32.8	26.0	39.0





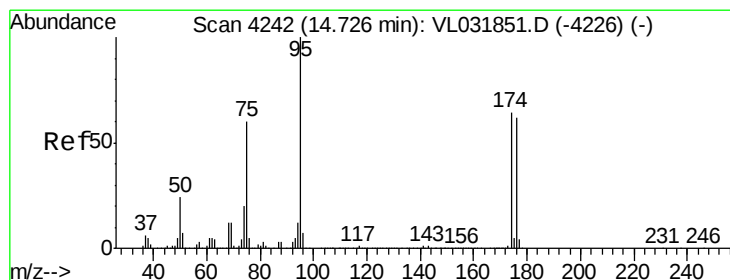
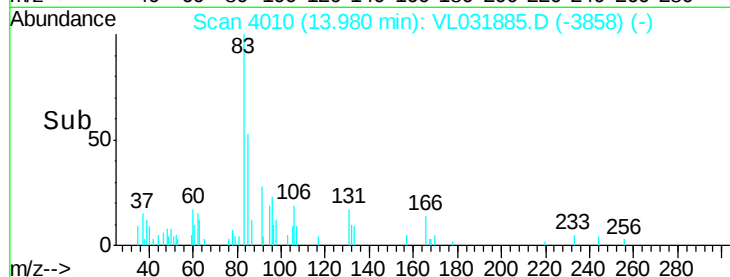
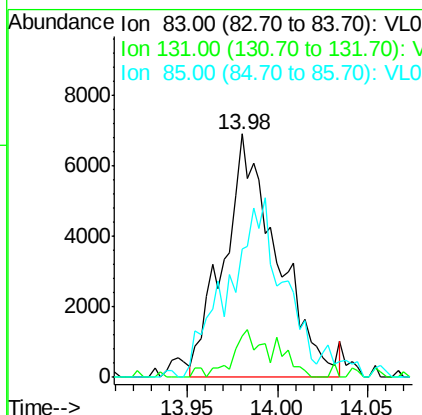
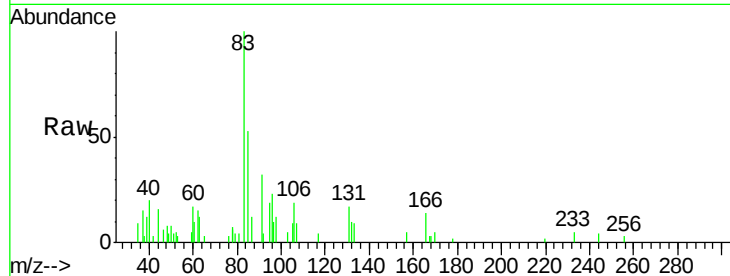
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.06 ppbv m
 RT: 13.98 min Scan# 4010
 Delta R.T. -0.01 min
 Lab File: VL031885.D
 Acq: 19 Apr 2018 19:45

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2018

Tot Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.9	14.6#
85	0.0	32.2	96.6#

Manual Integrations
 APPROVED

sam
 4/23/2018 12:50:03 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.06 ppbv
 RT: 14.73 min Scan# 4242
 Delta R.T. -0.00 min
 Lab File: VL031885.D
 Acq: 19 Apr 2018 19:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	64.9	52.3	78.5
175	4.6	3.9	5.9

