

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032519\
 Data File : VL033445.D
 Acq On : 25 Mar 2019 20:50
 Operator : SY/AP
 Sample : K1560-14 0.06 PPB
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2019

Manual Integrations
 APPROVED

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 4/1/2019 1:22:55 AM

Quant Time: Mar 26 09:03:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 26 09:03:23 2019
 QLast Update : Mon Mar 25 16:04:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	750719	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1748225	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1697434	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1351963	10.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.29	62	2921m	0.065	ppbv	
32) 1,1,1-Trichloroethane	6.62	97	6366m	0.052	ppbv	
35) Carbon Tetrachloride	7.14	117	6467m	0.057	ppbv	
38) Trichloroethene	7.96	130	3254m	0.059	ppbv	
52) Tetrachloroethene	11.37	164	3299m	0.060	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.84	83	7852m	0.054	ppbv	

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

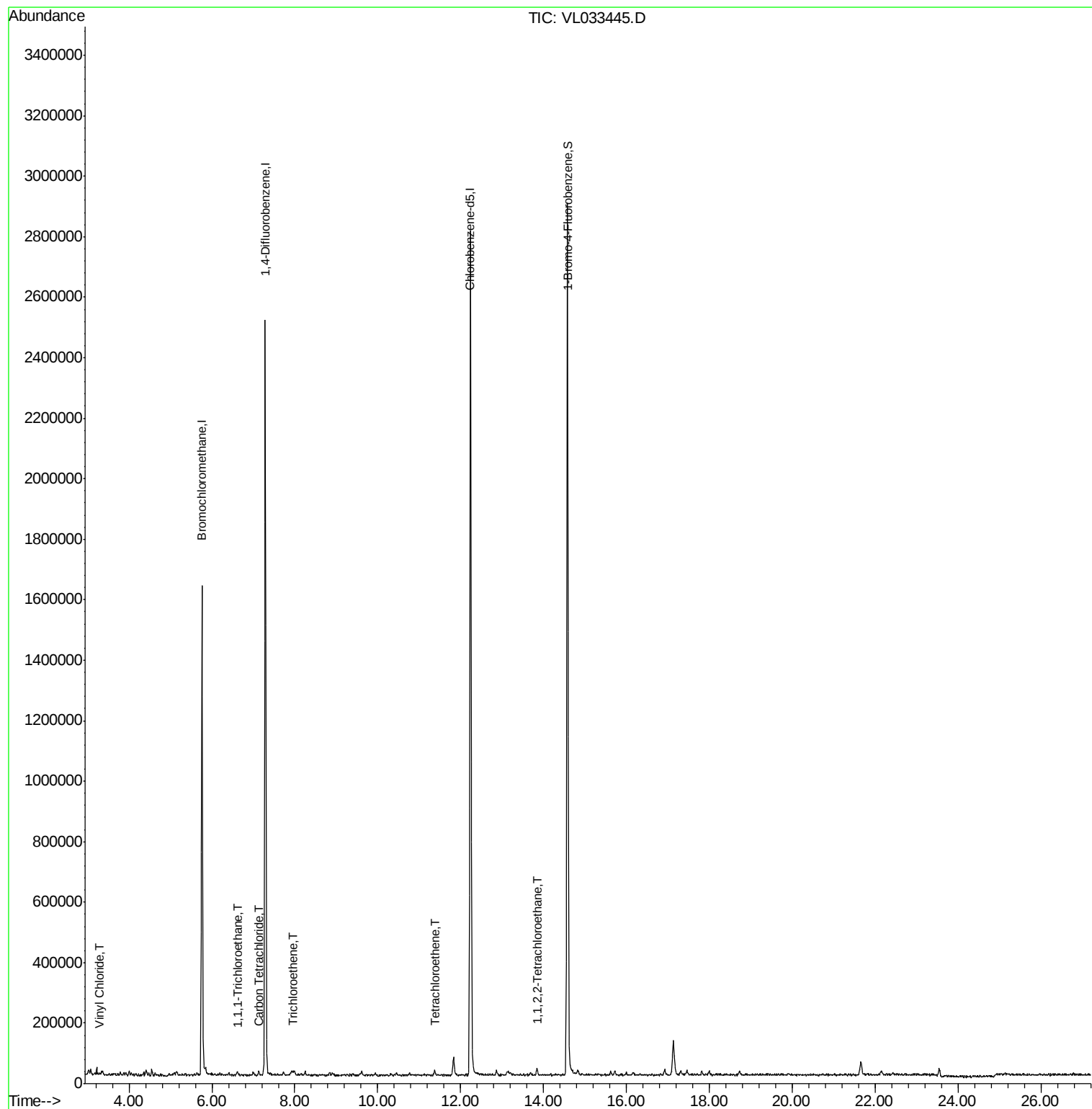
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032519\
Data File : VL033445.D
Acq On : 25 Mar 2019 20:50
Operator : SY/AP
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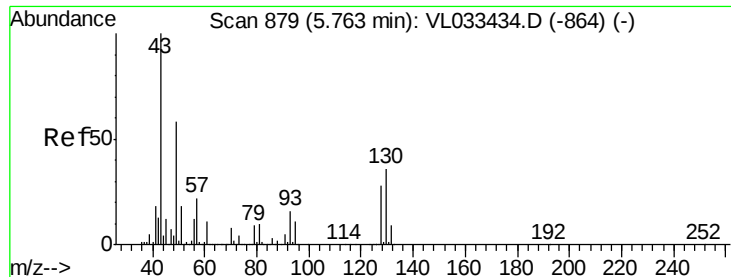
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar
QLast Update : Mon Mar 25 16:04:49 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033445.D

Acq: 25 Mar 2019 20:50

Instrument :

MSVOA_L

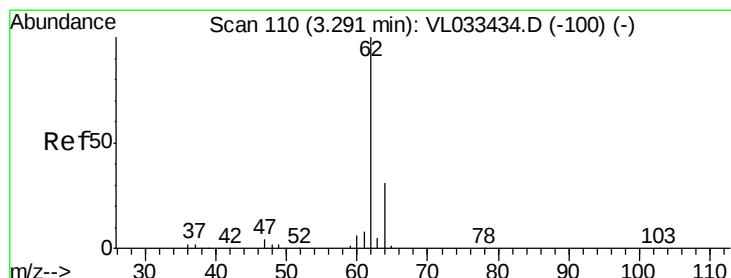
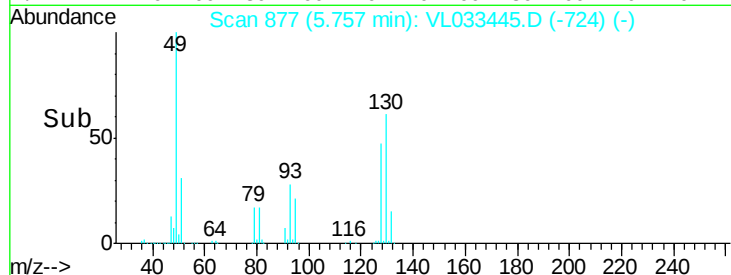
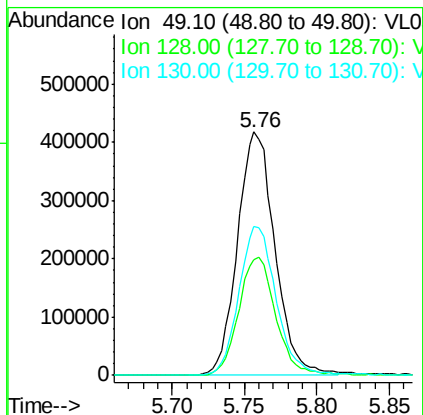
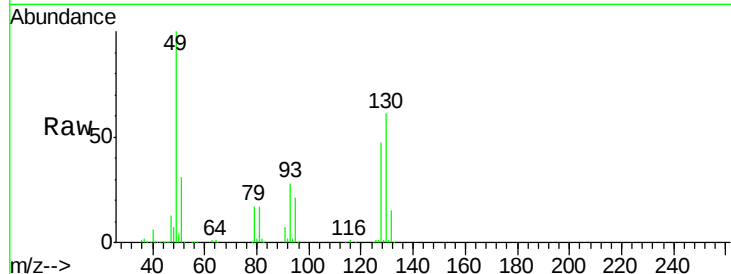
ClientSampleId :

LOQ-AIR-02-QT1-2019

Tot Ion:	49	Resp:	750719
Ion	Ratio	Lower	Upper
49	100		
128	48.5	24.0	72.0
130	61.3	31.2	93.6

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#5

Vinyl Chloride

Concen: 0.065 ppbv m

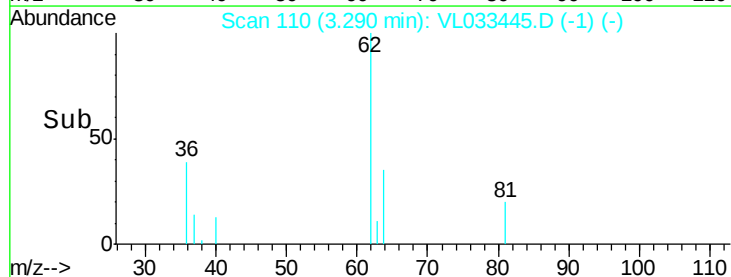
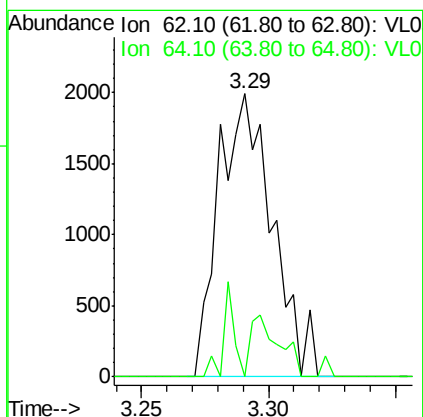
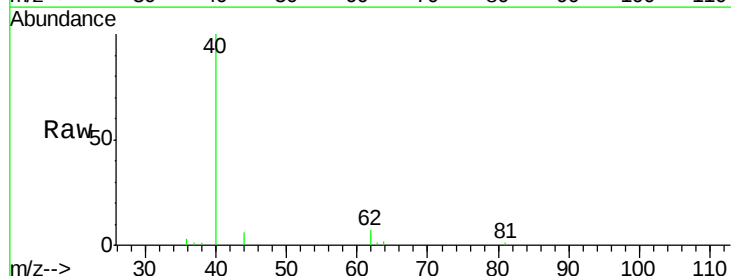
RT: 3.29 min Scan# 110

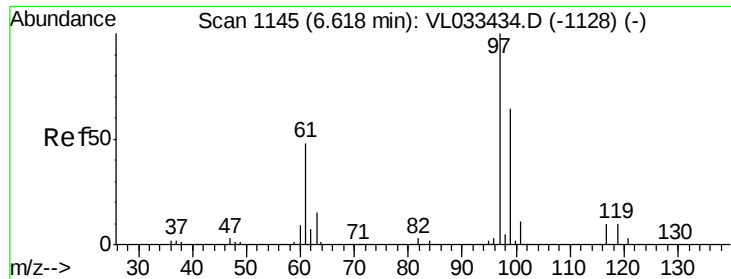
Delta R.T. -0.00 min

Lab File: VL033445.D

Acq: 25 Mar 2019 20:50

Tgt Ion:	62	Resp:	2921
Ion	Ratio	Lower	Upper
62	100		
64	0.0	24.9	37.3#





#32

1,1,1-Trichloroethane

Concen: 0.052 ppbv m

RT: 6.62 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VL033445.D

Acq: 25 Mar 2019 20:50

Instrument :

MSVOA_L

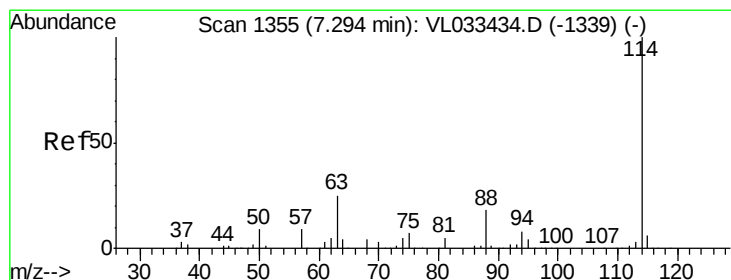
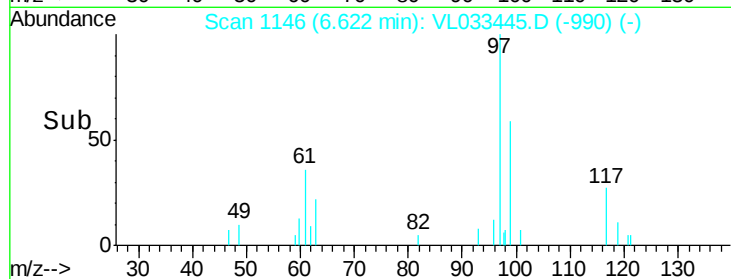
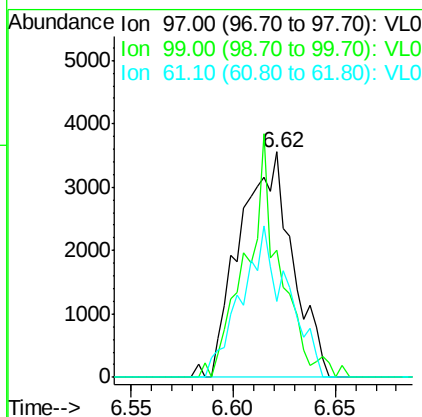
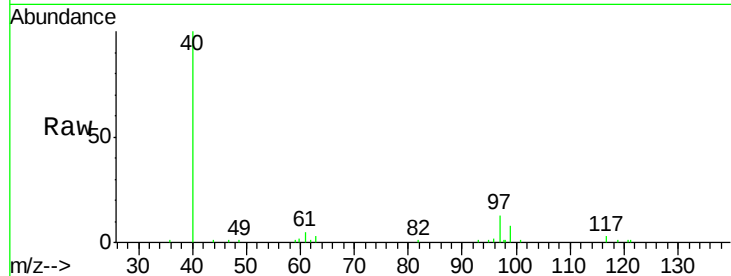
ClientSampleId :

LOQ-AIR-02-QT1-2019

Tot Ion:	97	Resp:	6366
Ion	Ratio	Lower	Upper
97	100		
99	69.4	51.5	77.3
61	58.5	38.8	58.2#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

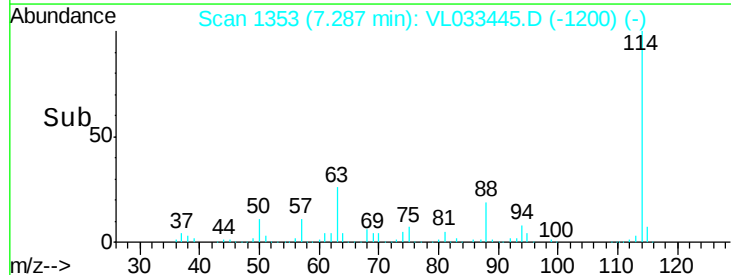
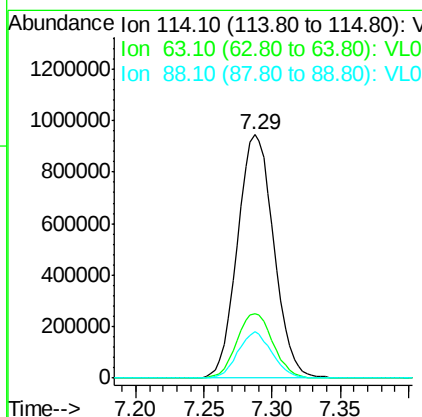
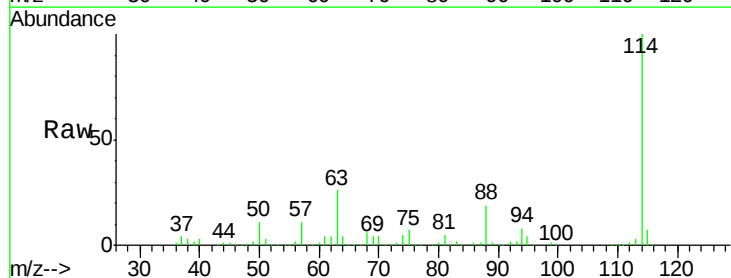
RT: 7.29 min Scan# 1353

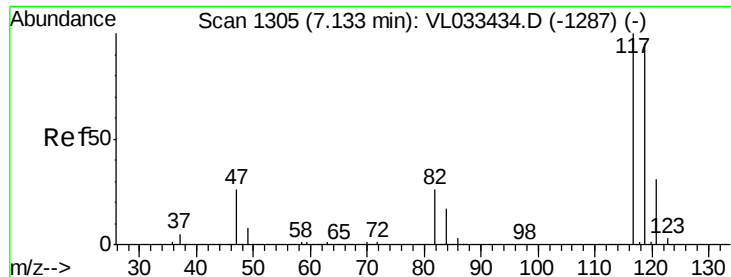
Delta R.T. -0.01 min

Lab File: VL033445.D

Acq: 25 Mar 2019 20:50

Tgt Ion:	114	Resp:	1748225
Ion	Ratio	Lower	Upper
114	100		
63	26.8	21.5	32.3
88	17.8	14.5	21.7





#35

Carbon Tetrachloride

Concen: 0.057 ppbv m

RT: 7.14 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VL033445.D

Acq: 25 Mar 2019 20:50

Instrument :

MSVOA_L

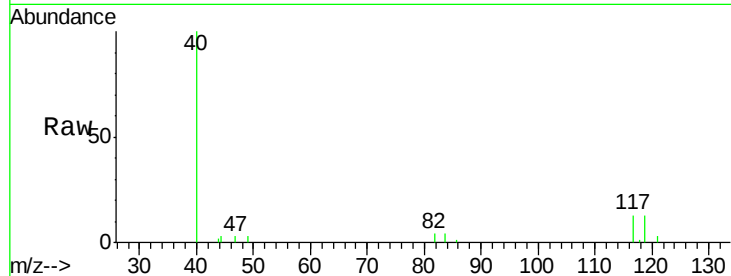
ClientSampleId :

LOQ-AIR-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
117	100		
119	98.3	75.8	113.8
121	22.4	24.7	37.1#

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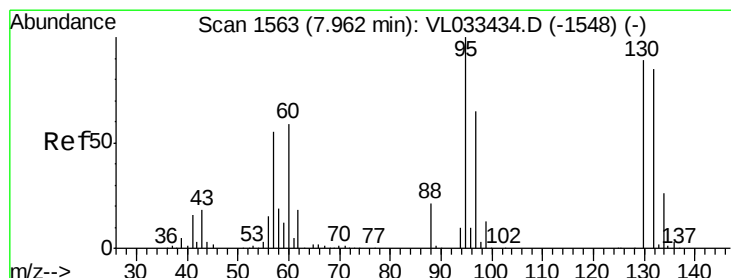
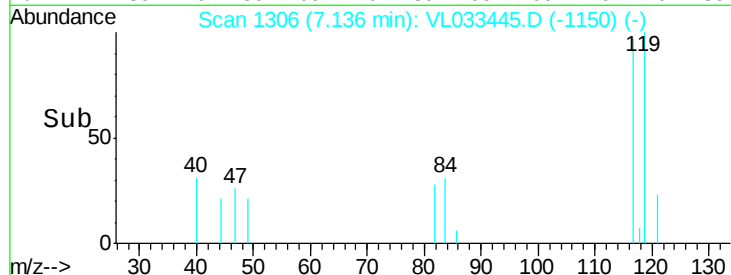
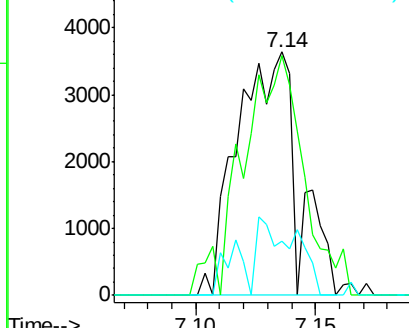


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#38

Trichloroethene

Concen: 0.059 ppbv m

RT: 7.96 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VL033445.D

Acq: 25 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.3	89.8	134.8
132	92.1	76.6	115.0
97	80.0	58.6	88.0

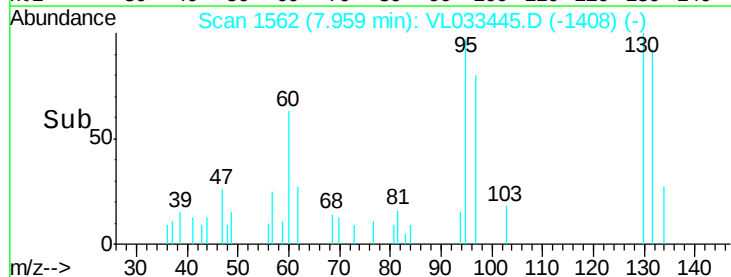
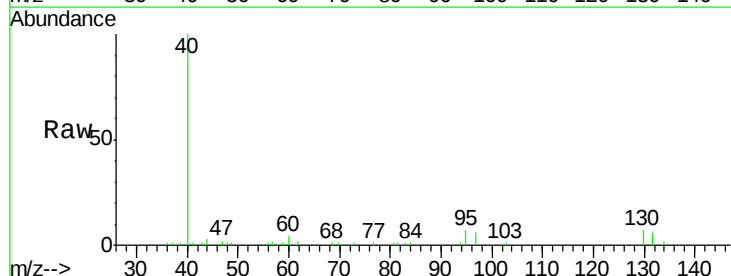
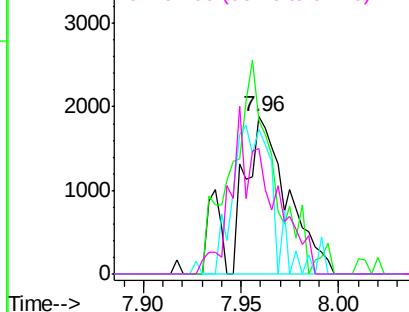
Abundance

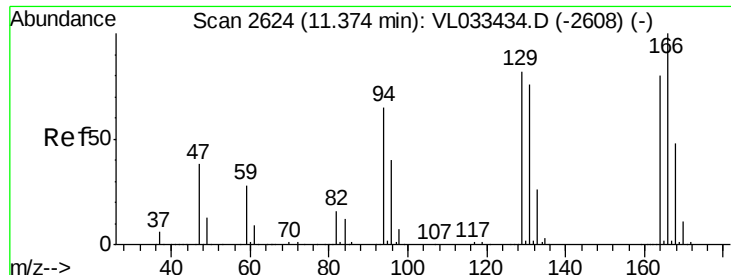
Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): V

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): V





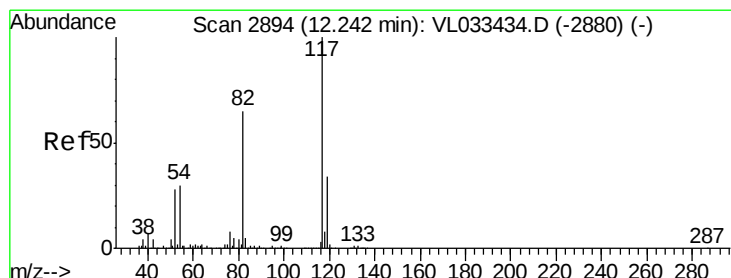
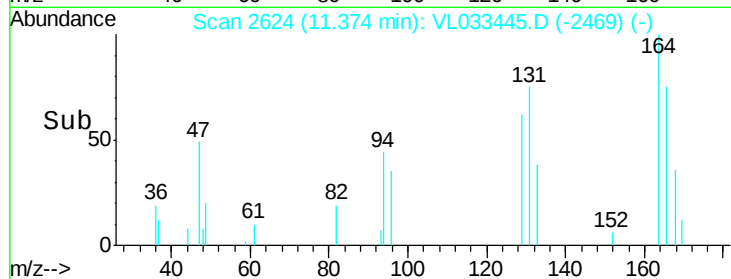
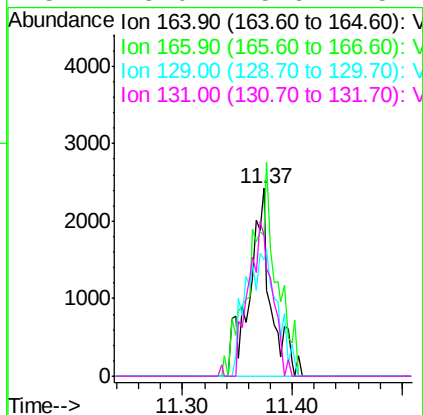
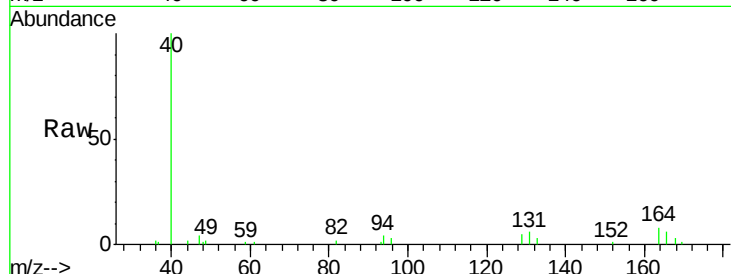
#52
Tetrachloroethene
Concen: 0.060 ppbv m
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033445.D
Acq: 25 Mar 2019 20:50

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
164	100		
166	75.1	99.5	149.3#
129	62.0	81.4	122.2#
131	75.0	75.6	113.4#

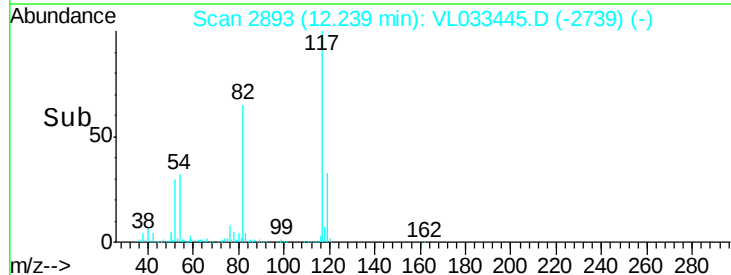
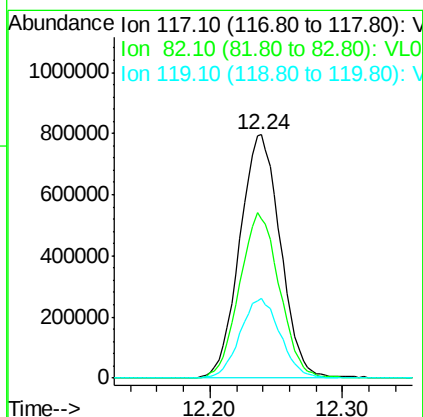
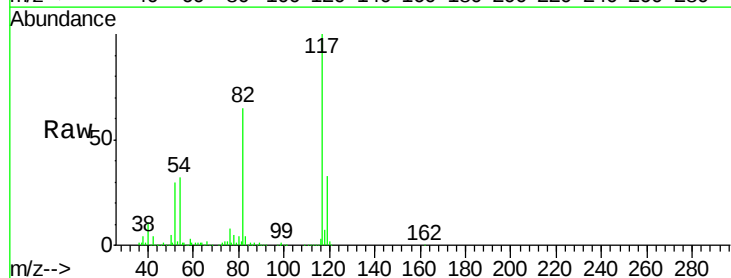
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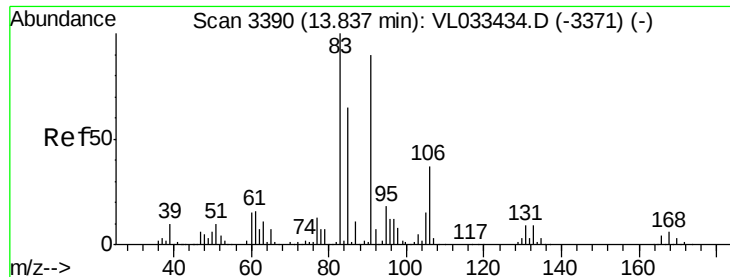
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL033445.D
Acq: 25 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
117	100		
82	67.3	51.5	77.3
119	32.5	25.5	38.3





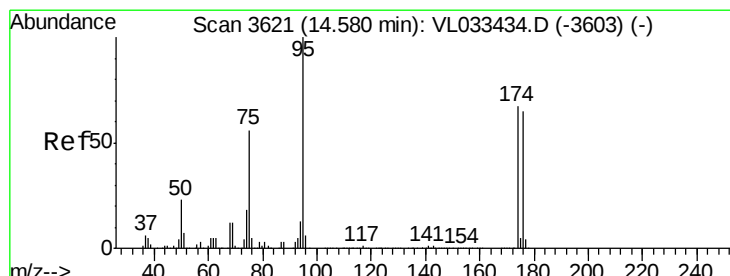
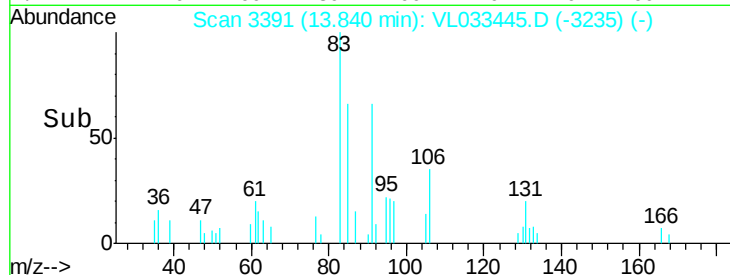
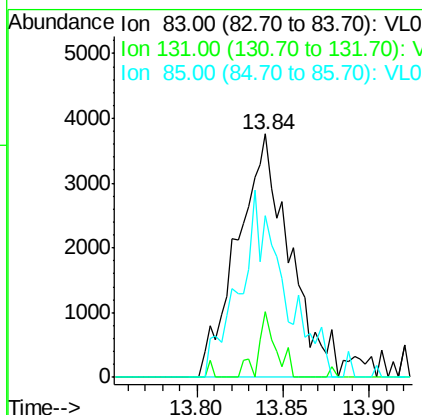
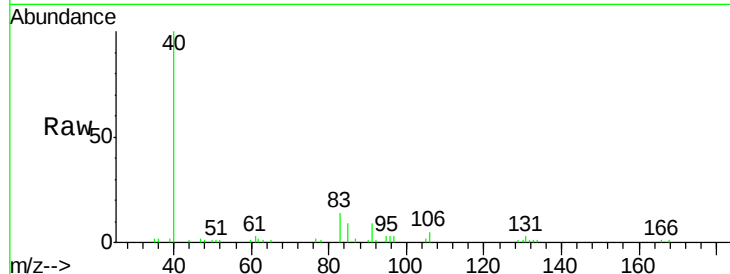
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.054 ppbv m
 RT: 13.84 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VL033445.D
 Acq: 25 Mar 2019 20:50

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.7	14.0
85	66.9	32.7	98.1

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.160 ppbv
 RT: 14.58 min Scan# 3620
 Delta R.T. -0.00 min
 Lab File: VL033445.D
 Acq: 25 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	64.4	52.9	79.3
175	4.6	3.8	5.6

