

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070219\
 Data File : VL034005.D
 Acq On : 3 Jul 2019 4:24
 Operator : SY/AP
 Sample : K3591-13 LOD 0.03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2019

Manual Integrations
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Quant Time: Jul 03 05:59:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 03 05:59:41 2019
 QLast Update : Tue Jul 02 19:31:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.73	49	901845	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.26	114	2432397	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.20	117	2426731	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.54	95	1949108	9.42	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.28	62	3416m	0.047	ppbv	
32) 1,1,1-Trichloroethane	6.59	97	8317m	0.046	ppbv	
35) Carbon Tetrachloride	7.10	117	9650m	0.050	ppbv	
38) Trichloroethene	7.94	130	3291m	0.039	ppbv	
52) Tetrachloroethene	11.34	164	2967m	0.036	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.79	83	7812m	0.038	ppbv	

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

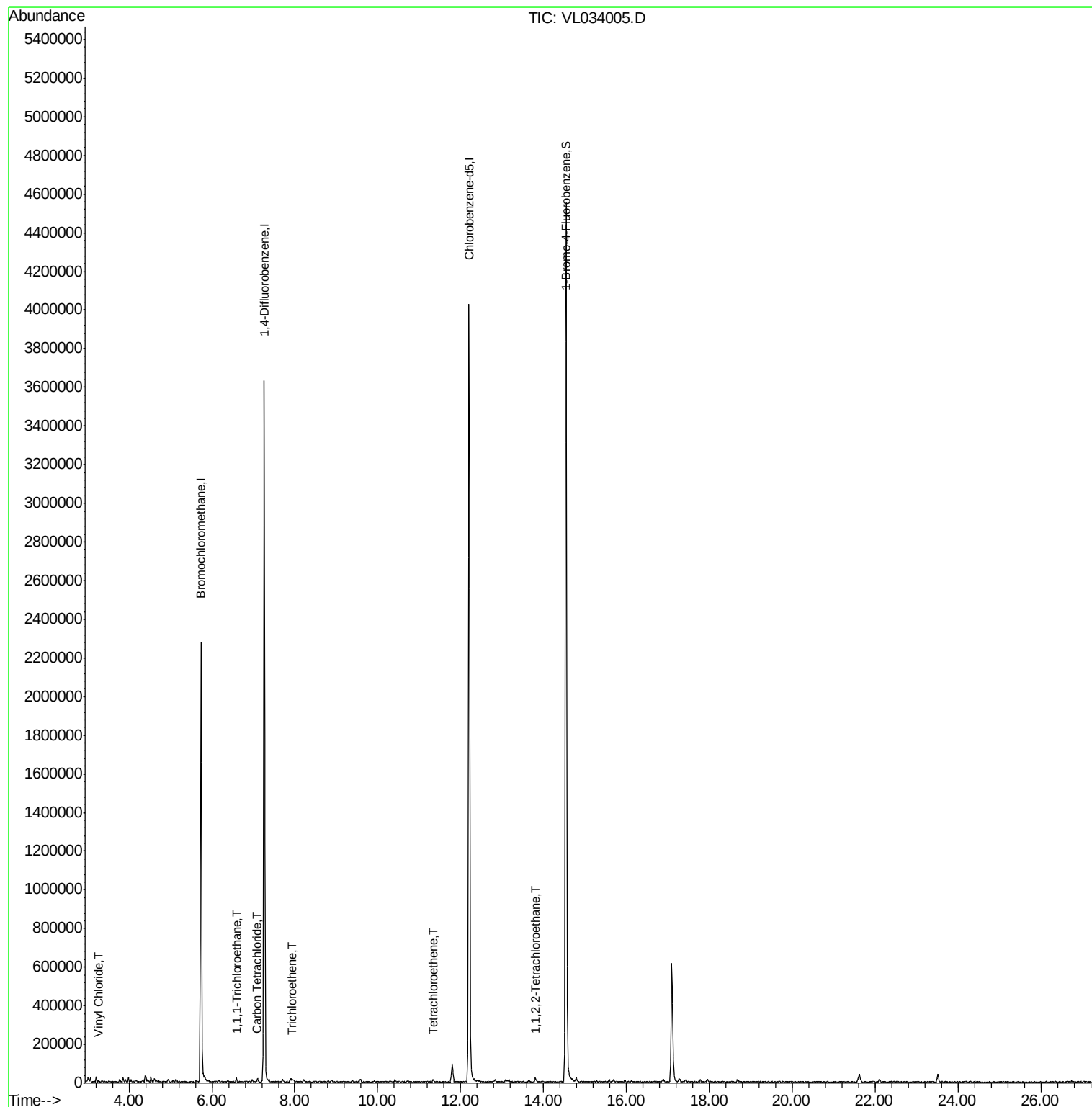
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070219\
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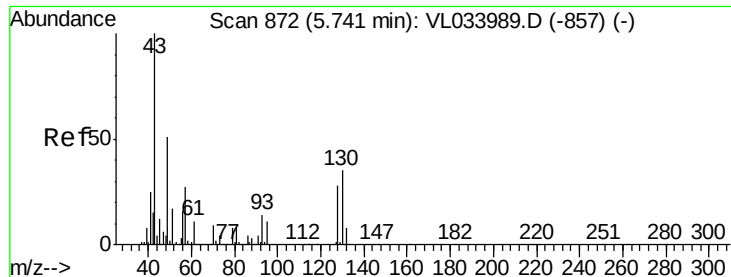
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2019

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QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.73 min Scan# 870

Delta R.T. -0.01 min

Lab File: VL034005.D

Acq: 3 Jul 2019 4:24

Instrument :

MSVOA_L

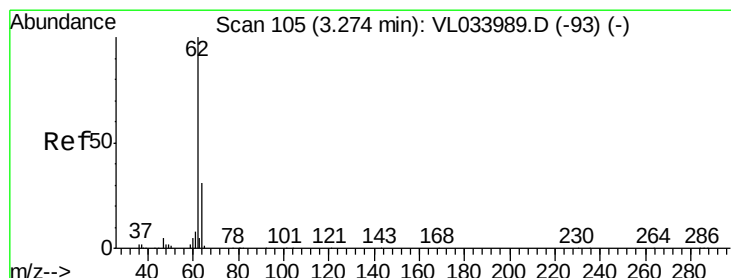
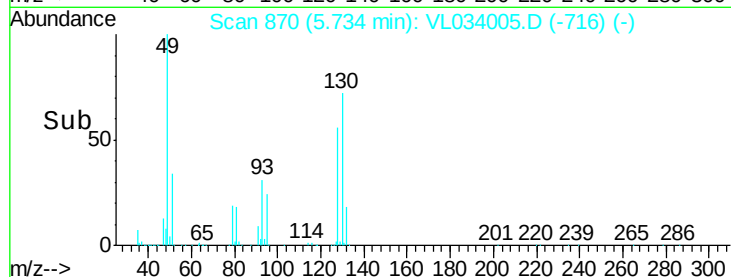
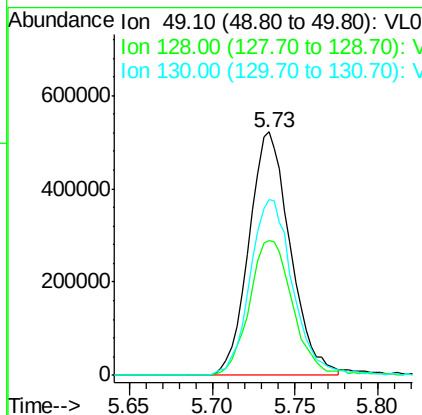
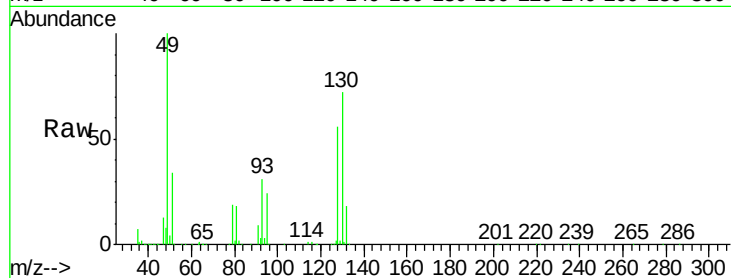
ClientSampleId :

LOD-MDL-AIR-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
49	100		
128	58.9	27.9	83.6
130	75.7	35.8	107.4

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#5

Vinyl Chloride

Concen: 0.047 ppbv m

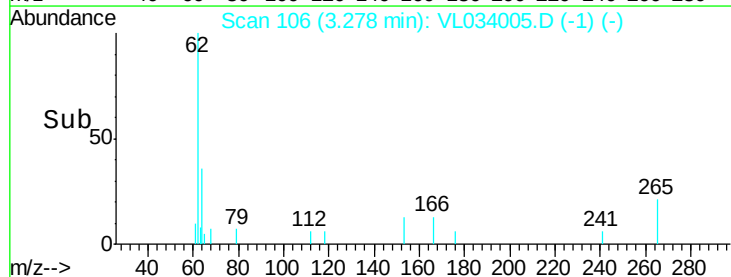
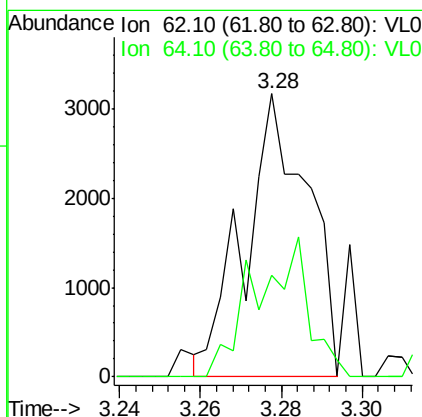
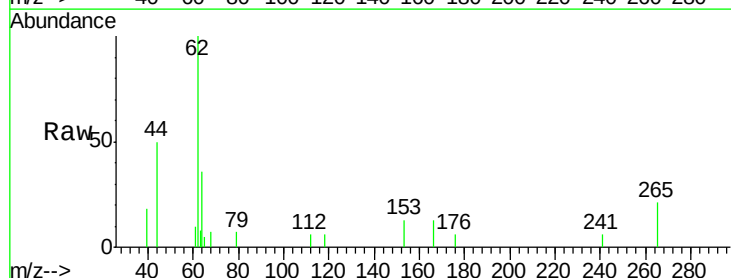
RT: 3.28 min Scan# 106

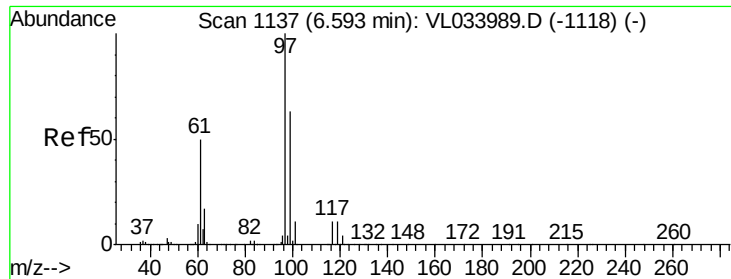
Delta R.T. 0.00 min

Lab File: VL034005.D

Acq: 3 Jul 2019 4:24

Tgt Ion	Ratio	Lower	Upper
62	100		
64	35.8	24.4	36.6





#32

1,1,1-Trichloroethane

Concen: 0.046 ppbv m

RT: 6.59 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VL034005.D

Acq: 3 Jul 2019 4:24

Instrument :

MSVOA_L

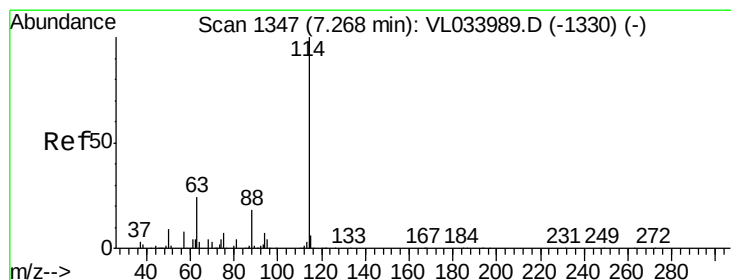
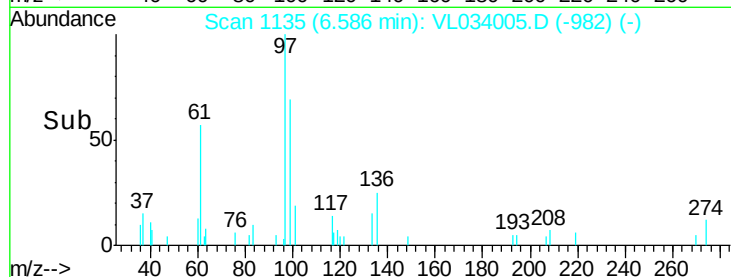
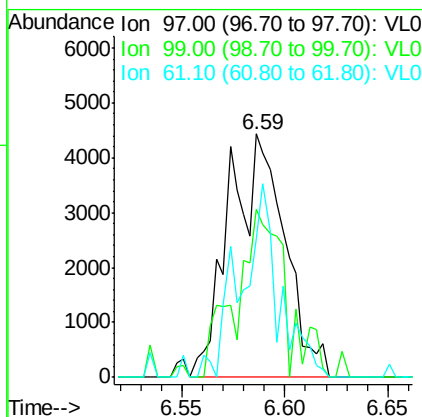
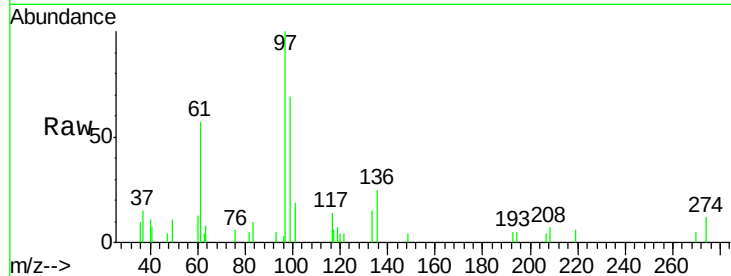
ClientSampleId :

LOD-MDL-AIR-01-QT3-2019

Tot Ion:	97	Resp:	8317
Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.9	77.9
61	53.6	39.8	59.8

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

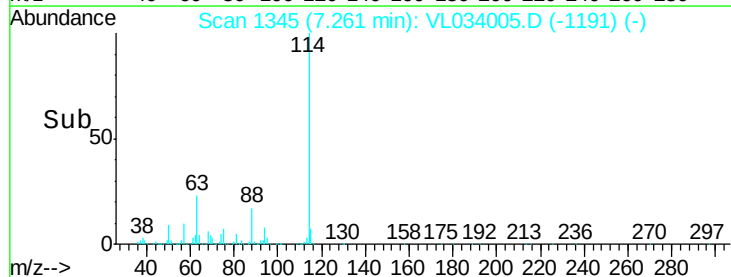
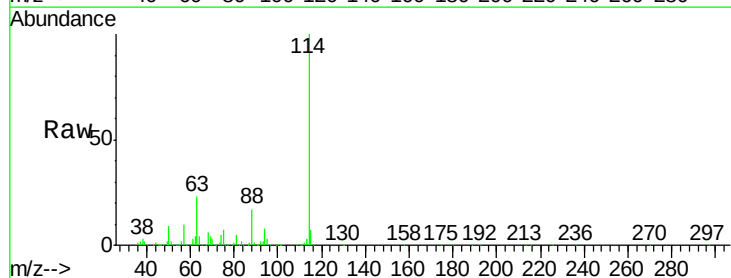
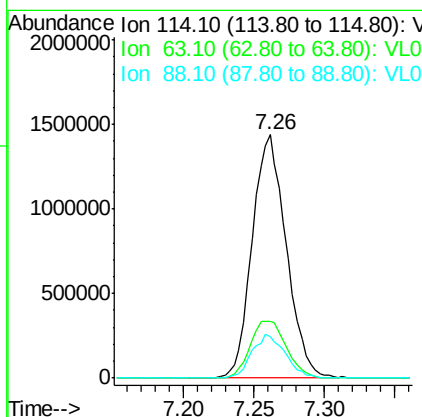
RT: 7.26 min Scan# 1345

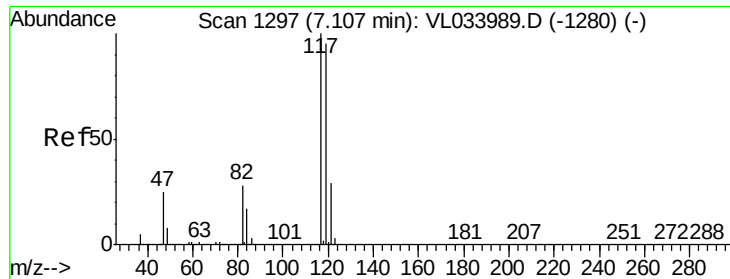
Delta R.T. -0.01 min

Lab File: VL034005.D

Acq: 3 Jul 2019 4:24

Tgt Ion:	114	Resp:	2432397
Ion	Ratio	Lower	Upper
114	100		
63	25.1	20.2	30.2
88	17.7	14.1	21.1





#35

Carbon Tetrachloride

Concen: 0.050 ppbv m

RT: 7.10 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VL034005.D

Acq: 3 Jul 2019 4:24

Instrument :

MSVOA_L

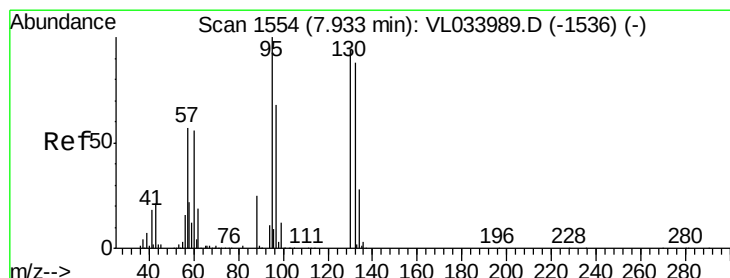
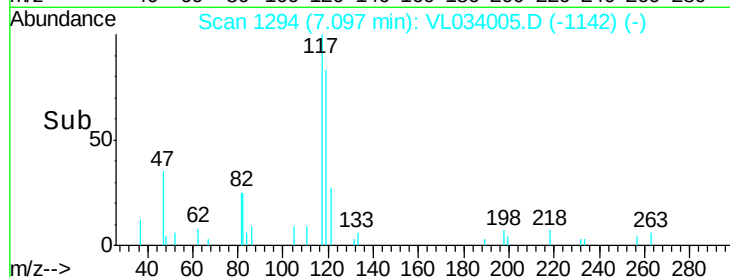
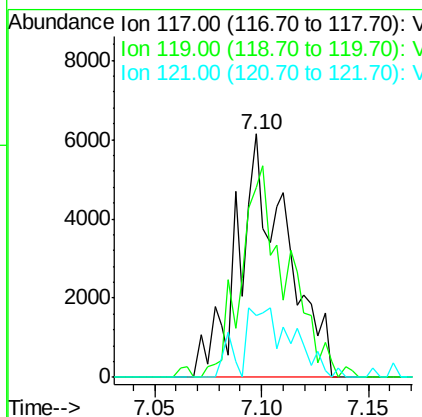
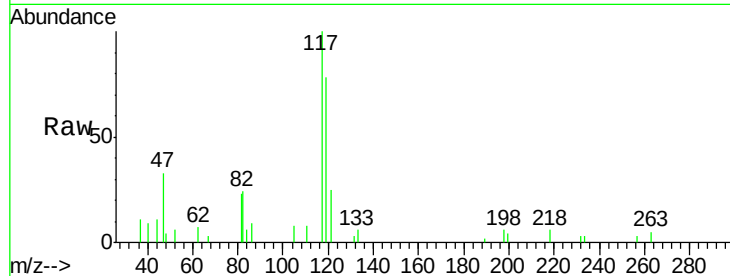
ClientSampleId :

LOD-MDL-AIR-01-QT3-2019

Tot Ion:	117	Resp:	9650
Ion Ratio	Lower	Upper	
117	100		
119	78.1	75.8	113.6
121	25.2	23.4	35.2

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#38

Trichloroethene

Concen: 0.039 ppbv m

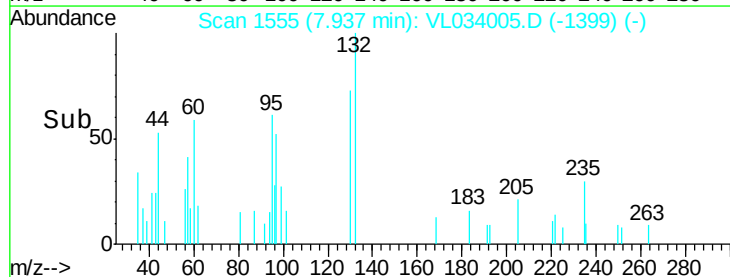
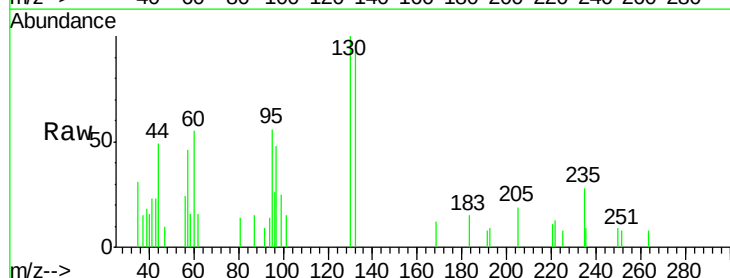
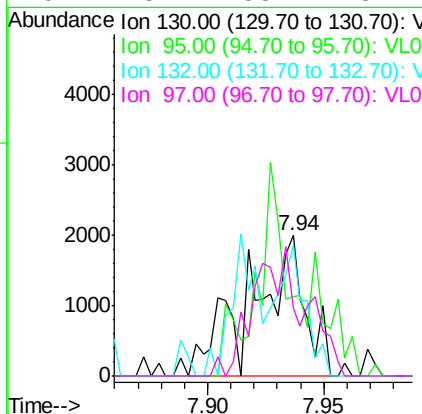
RT: 7.94 min Scan# 1555

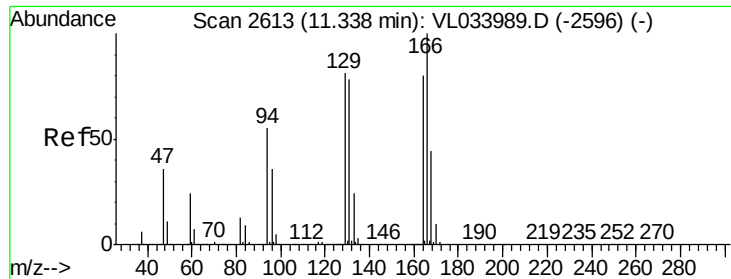
Delta R.T. 0.00 min

Lab File: VL034005.D

Acq: 3 Jul 2019 4:24

Tgt Ion:	130	Resp:	3291
Ion Ratio	Lower	Upper	
130	100		
95	56.4	85.5	128.3#
132	93.1	75.1	112.7
97	48.1	58.1	87.1#





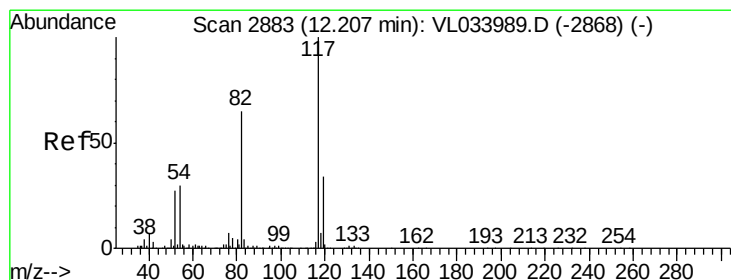
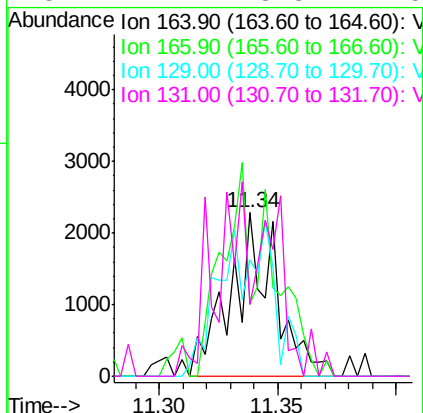
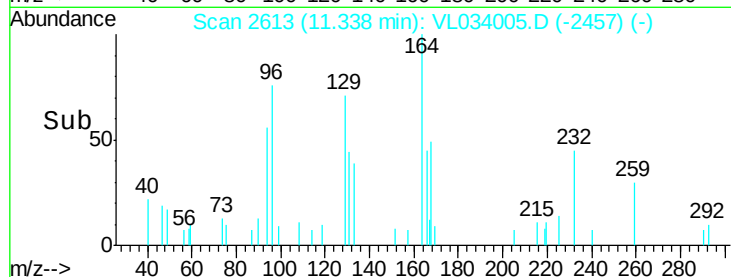
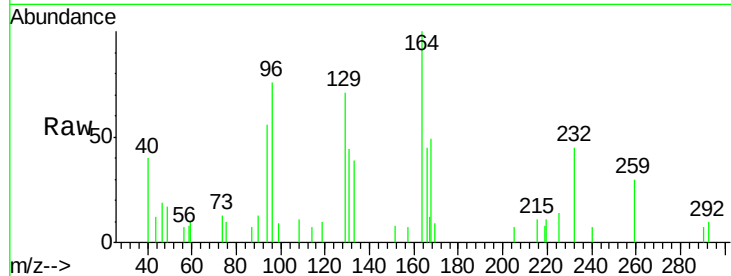
#52
Tetrachloroethene
Concen: 0.036 ppbv m
RT: 11.34 min Scan# 2613
Delta R.T. -0.00 min
Lab File: VL034005.D
Acq: 3 Jul 2019 4:24

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
164	100		
166	44.7	100.2	150.2#
129	71.0	81.0	121.6#
131	44.1	78.3	117.5#

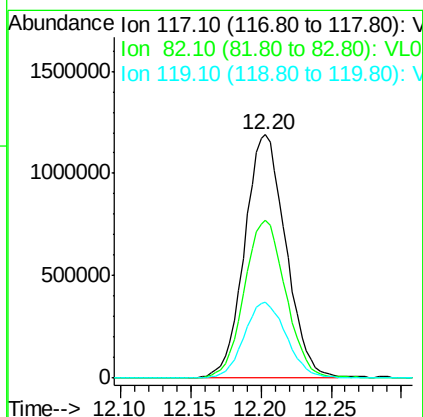
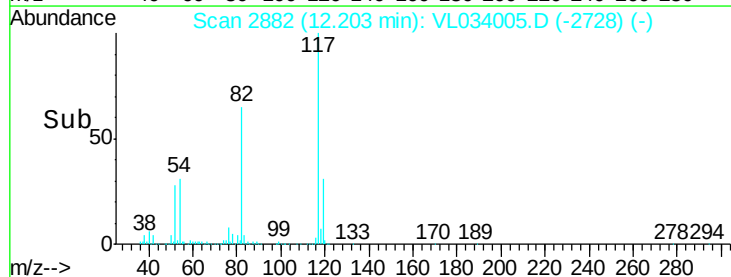
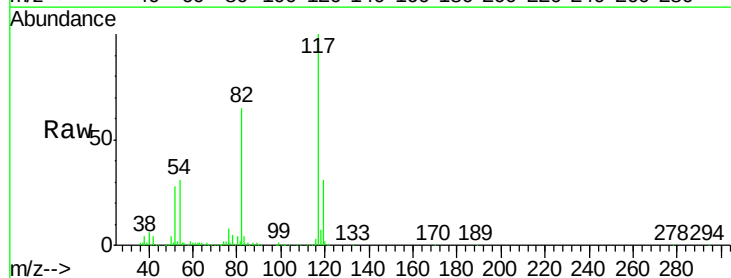
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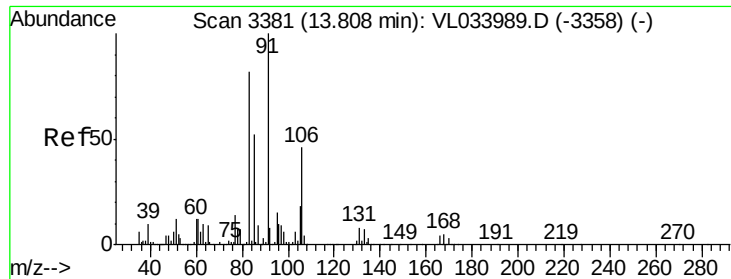
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.20 min Scan# 2882
Delta R.T. -0.00 min
Lab File: VL034005.D
Acq: 3 Jul 2019 4:24

Tgt Ion	Ratio	Lower	Upper
117	100		
82	65.6	50.8	76.2
119	32.3	24.0	36.0





#63

1,1,2,2-Tetrachloroethane

Concen: 0.038 ppbv m

RT: 13.79 min Scan# 3377

Delta R.T. -0.01 min

Lab File: VL034005.D

Acq: 3 Jul 2019 4:24

Instrument :

MSVOA_L

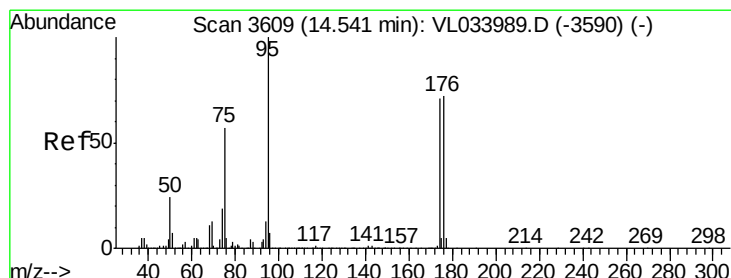
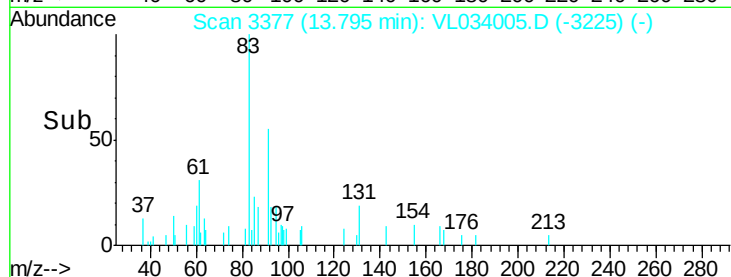
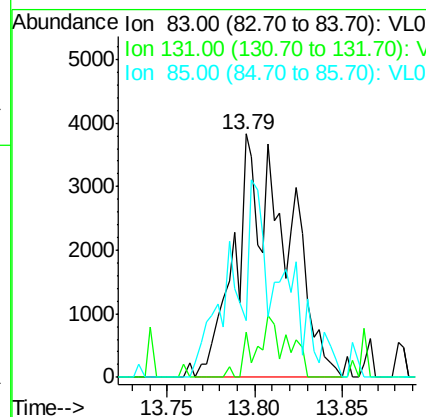
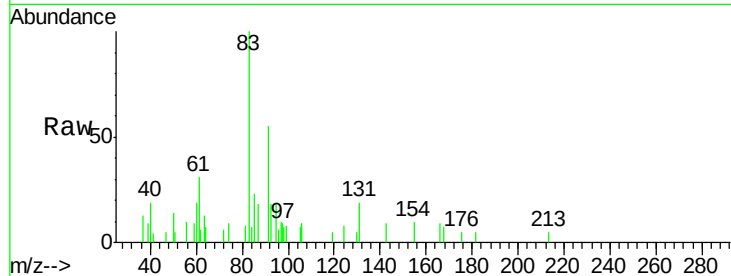
ClientSampleId :

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Tot Ion:	83	Resp:	7812
Ion Ratio	Lower	Upper	
83	100		
131	15.4	5.0	14.9#
85	53.2	32.8	98.3

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.417 ppbv

RT: 14.54 min Scan# 3609

Delta R.T. -0.00 min

Lab File: VL034005.D

Acq: 3 Jul 2019 4:24

Tgt Ion:	95	Resp:	1949108
Ion Ratio	Lower	Upper	
95	100		
174	74.4	60.5	90.7
175	5.4	4.0	6.0

