

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032519\
 Data File : VL033448.D
 Acq On : 25 Mar 2019 22:44
 Operator : SY/AP
 Sample : K1560-13 0.03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2019

Manual Integrations
 APPROVED

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 4/1/2019 1:22:59 AM

Quant Time: Mar 26 06:36:19 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 06:36:19 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	691562	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1595111	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1577166	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1226597	9.92	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.29	62	1983m	0.048	ppbv	
32) 1,1,1-Trichloroethane	6.61	97	3845m	0.034	ppbv	
35) Carbon Tetrachloride	7.14	117	4039m	0.039	ppbv	
38) Trichloroethene	7.96	130	2027m	0.040	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.84	83	4814m	0.036	ppbv	

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

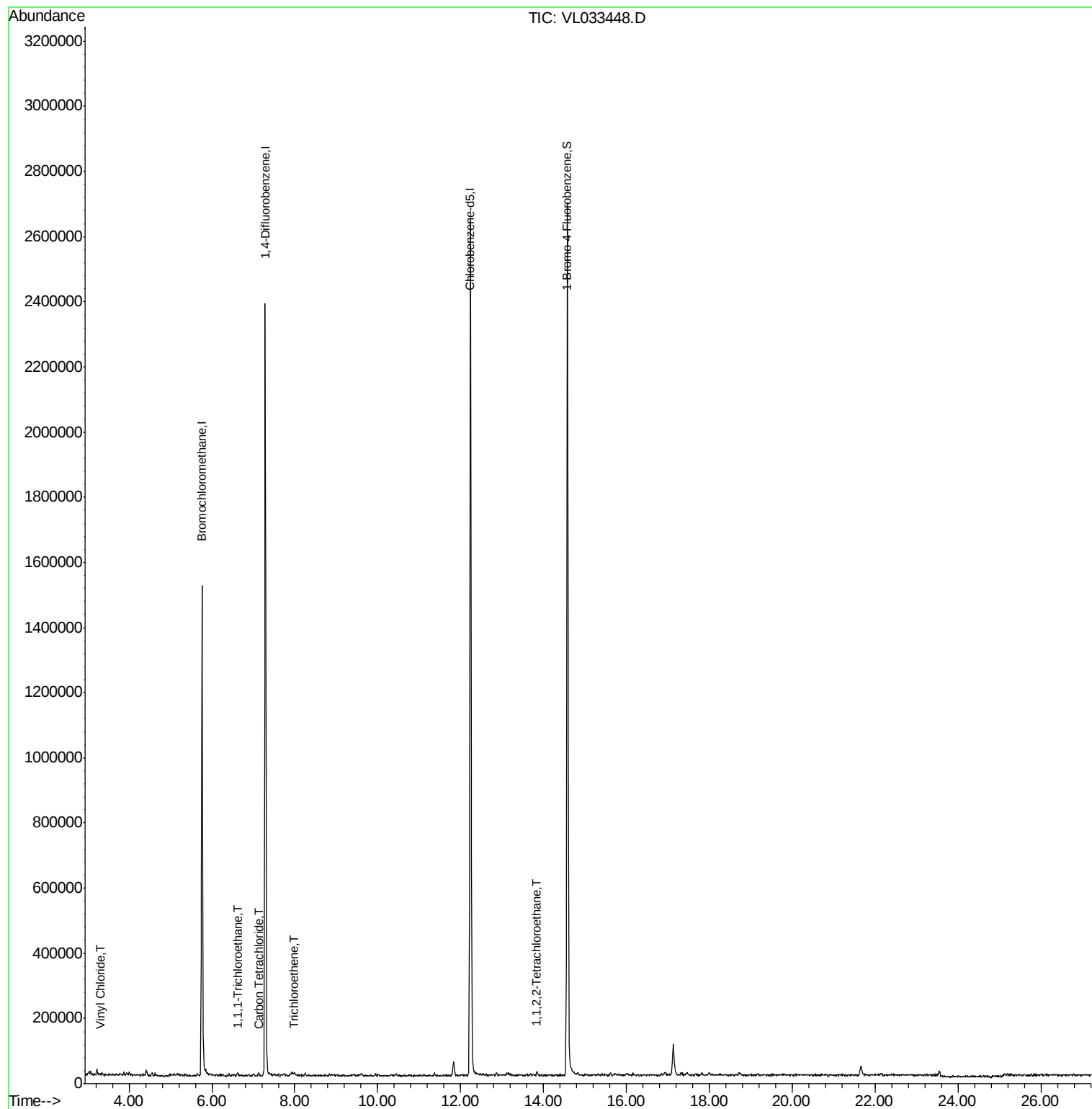
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032519\
Data File : VL033448.D
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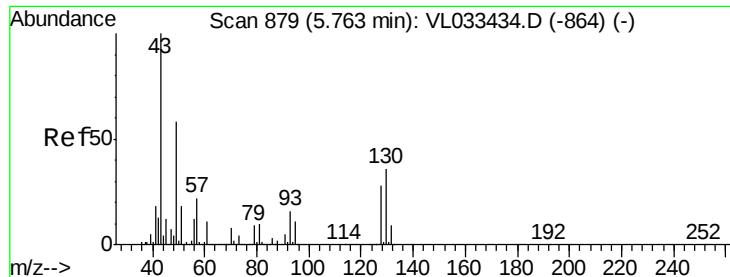
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QLast Update : Mon Mar 25 16:04:49 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033448.D

Acq: 25 Mar 2019 22:44

Instrument :

MSVOA_L

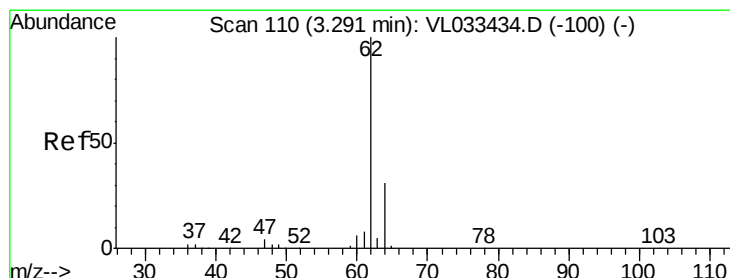
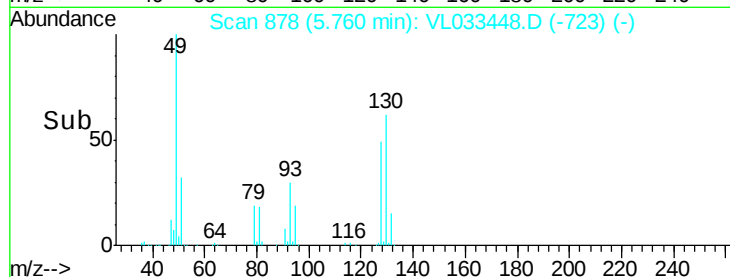
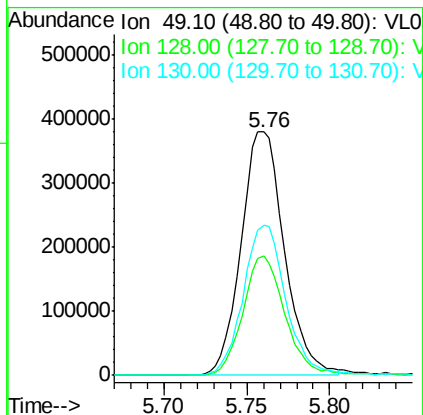
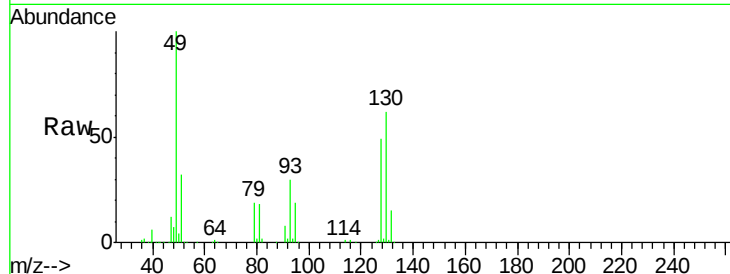
ClientSampleId :

LOD-MDL-AIR-01-QT1-2019

Tot Ion:	49	Resp:	691562
Ion	Ratio	Lower	Upper
49	100		
128	48.3	24.0	72.0
130	61.8	31.2	93.6

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#5

Vinyl Chloride

Concen: 0.048 ppbv m

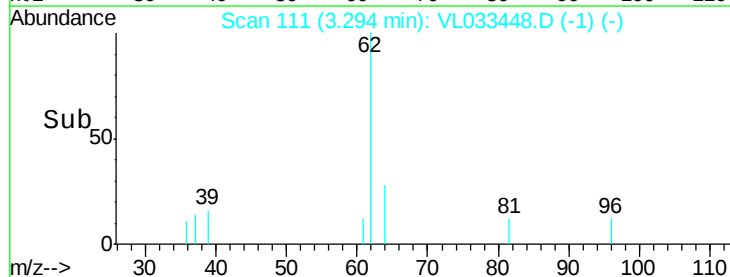
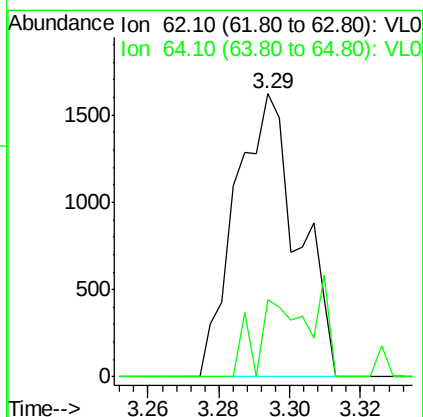
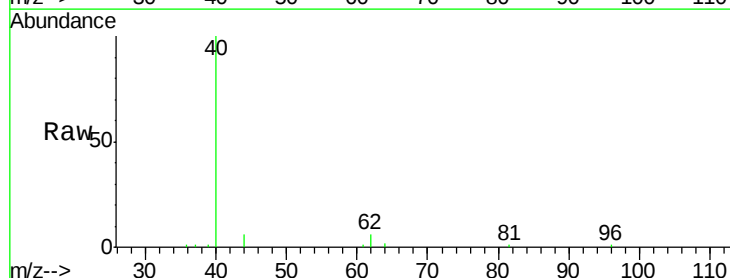
RT: 3.29 min Scan# 111

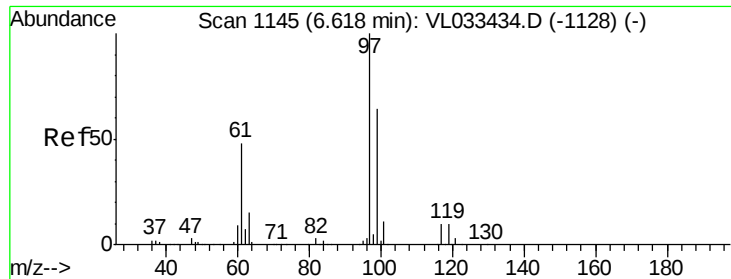
Delta R.T. 0.00 min

Lab File: VL033448.D

Acq: 25 Mar 2019 22:44

Tgt Ion:	62	Resp:	1983
Ion	Ratio	Lower	Upper
62	100		
64	27.5	24.9	37.3





#32

1,1,1-Trichloroethane

Concen: 0.034 ppbv m

RT: 6.61 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VL033448.D

Acq: 25 Mar 2019 22:44

Instrument :

MSVOA_L

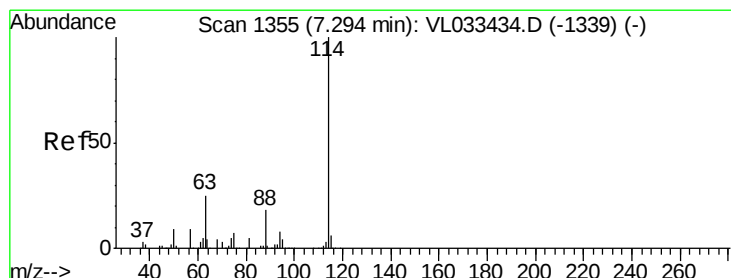
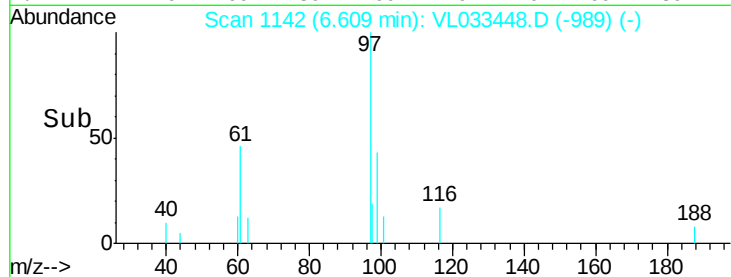
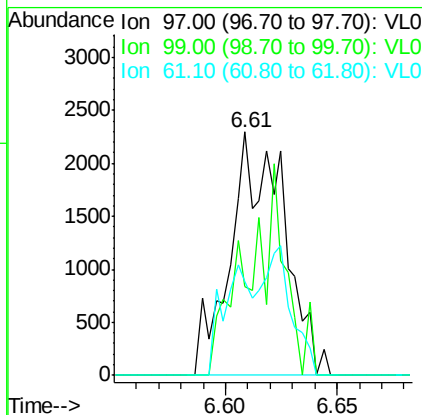
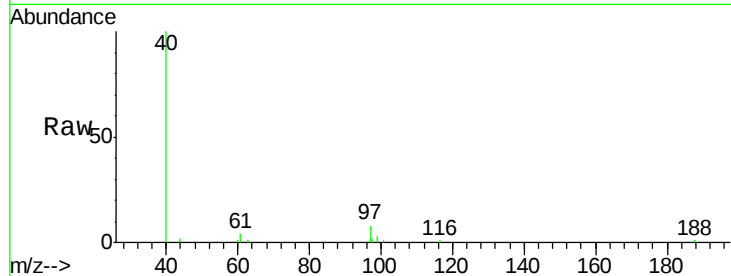
ClientSampleId :

LOD-MDL-AIR-01-QT1-2019

Tot Ion:	97	Resp:	3845
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.5	77.3#
61	0.0	38.8	58.2#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

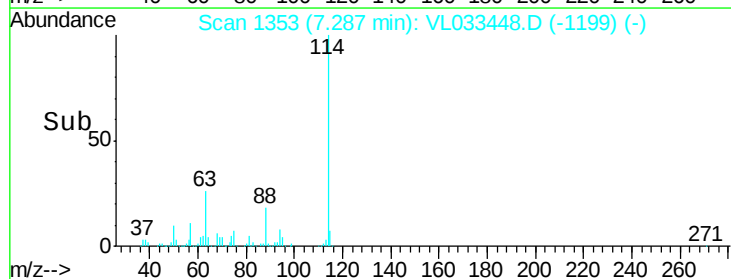
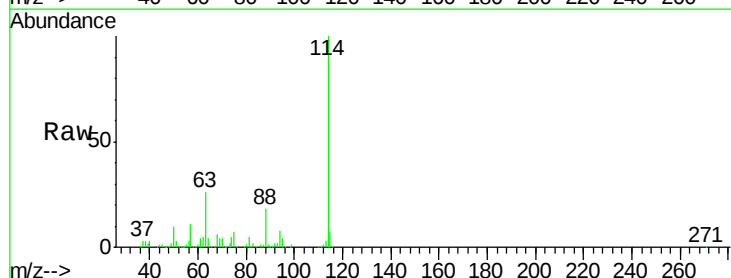
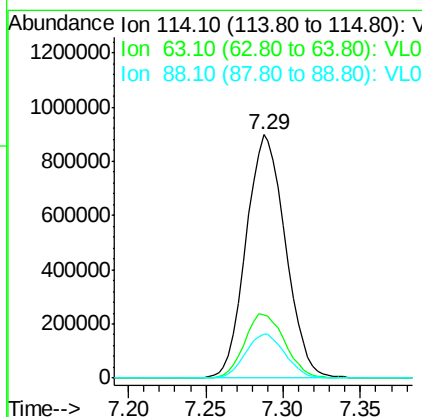
RT: 7.29 min Scan# 1353

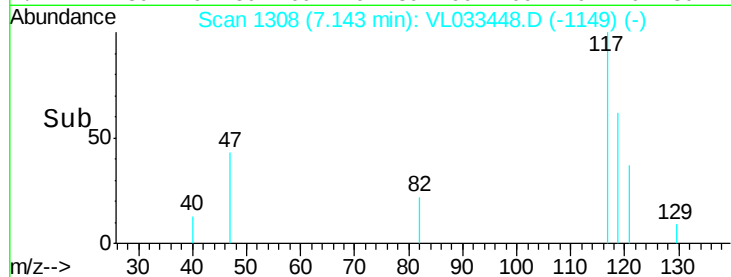
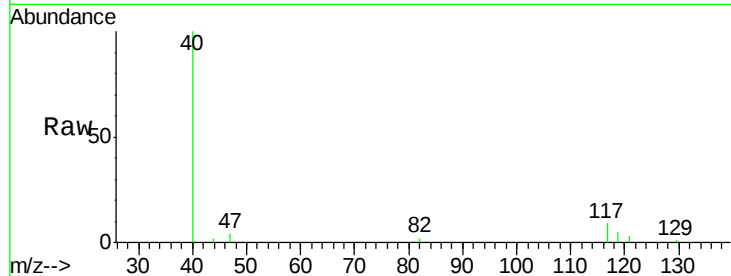
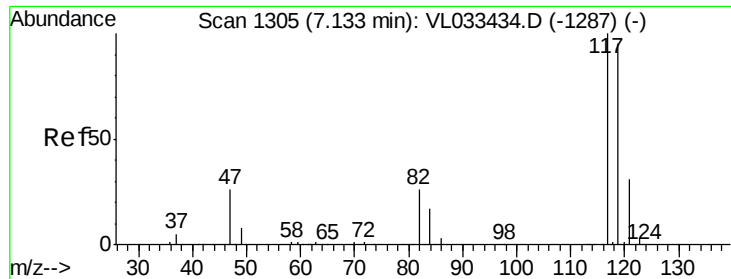
Delta R.T. -0.01 min

Lab File: VL033448.D

Acq: 25 Mar 2019 22:44

Tgt Ion:	114	Resp:	1595111
Ion	Ratio	Lower	Upper
114	100		
63	27.0	21.5	32.3
88	18.3	14.5	21.7





#35

Carbon Tetrachloride

Concen: 0.039 ppbv m

RT: 7.14 min Scan# 1308

Delta R.T. 0.01 min

Lab File: VL033448.D

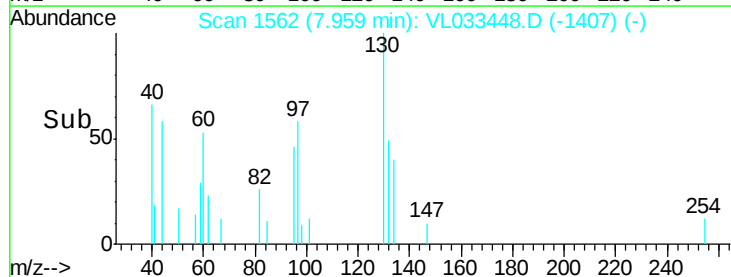
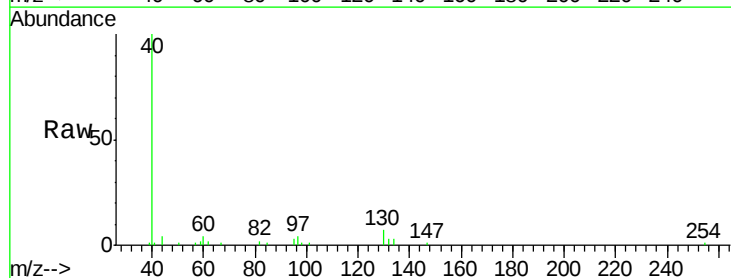
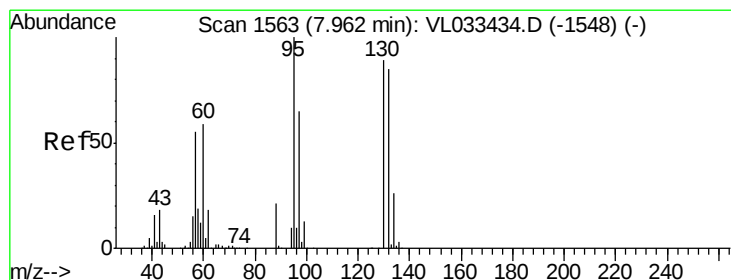
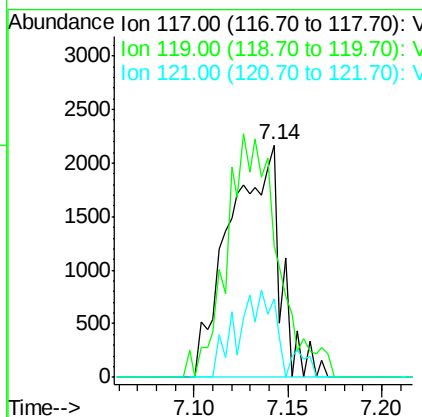
Acq: 25 Mar 2019 22:44

Tot Ion	Ratio	Lower	Upper
117	100		
119	56.5	75.8	113.8#
121	33.6	24.7	37.1

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#38

Trichloroethene

Concen: 0.040 ppbv m

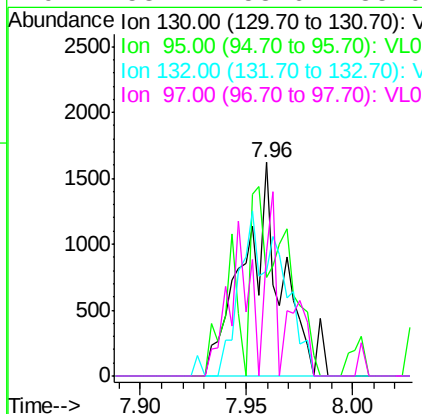
RT: 7.96 min Scan# 1562

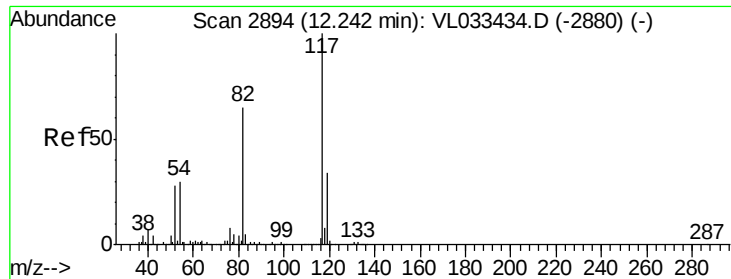
Delta R.T. -0.00 min

Lab File: VL033448.D

Acq: 25 Mar 2019 22:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	46.2	89.8	134.8#
132	49.0	76.6	115.0#
97	58.4	58.6	88.0#





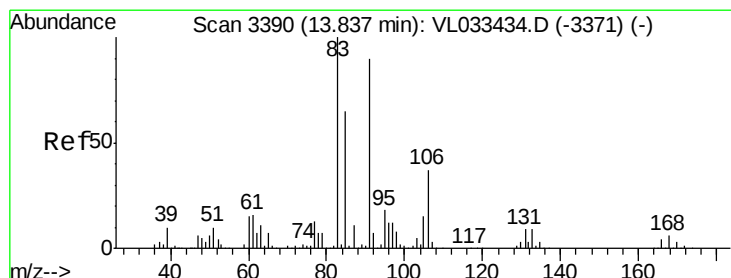
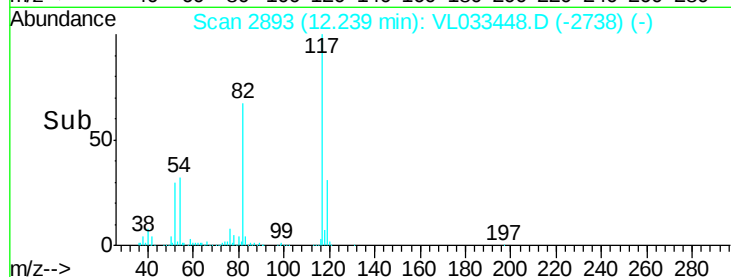
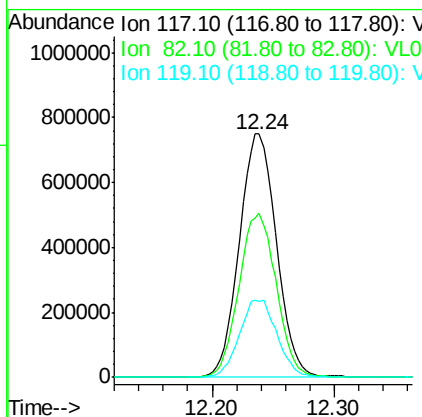
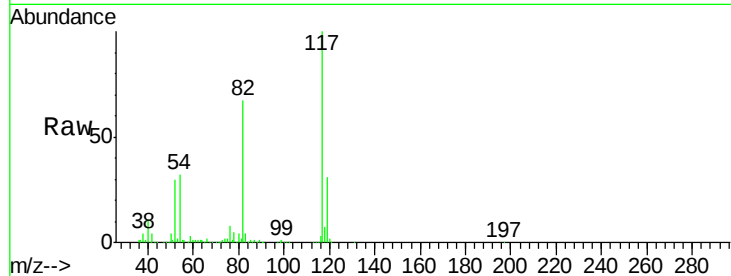
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL033448.D
Acq: 25 Mar 2019 22:44

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2019

Tot Ion:117 Resp: 1577166
Ion Ratio Lower Upper
117 100
82 68.1 51.5 77.3
119 32.5 25.5 38.3

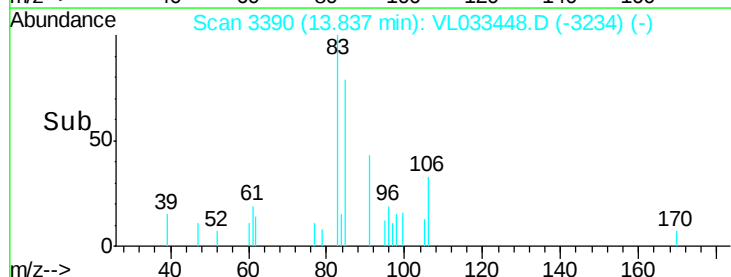
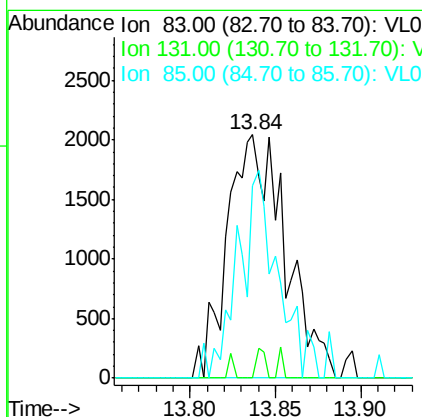
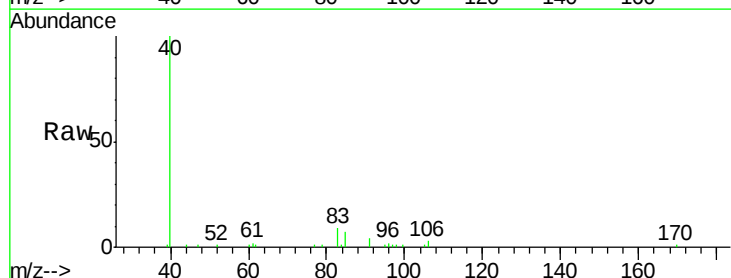
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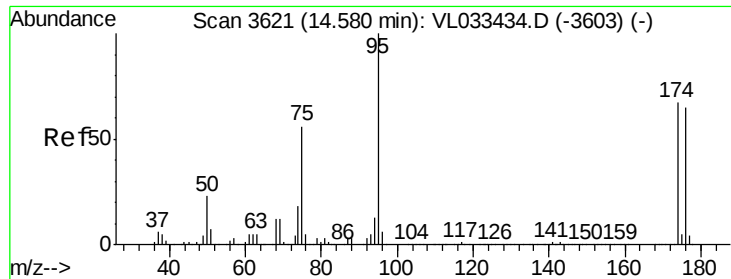
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#63
1,1,2,2-Tetrachloroethane
Concen: 0.036 ppbv m
RT: 13.84 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VL033448.D
Acq: 25 Mar 2019 22:44

Tgt Ion: 83 Resp: 4814
Ion Ratio Lower Upper
83 100
131 0.0 4.7 14.0#
85 59.6 32.7 98.1





#68

1-Bromo-4-Fluorobenzene

Concen: 9.920 ppbv

RT: 14.57 min Scan# 3619

Delta R.T. -0.01 min

Lab File: VL033448.D

Acq: 25 Mar 2019 22:44

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2019

Tot Ion: 95 Resp: 1226597

Ion Ratio Lower Upper

95 100

174 65.4 52.9 79.3

175 4.8 3.8 5.6

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