

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101220\
 Data File : VL035773.D
 Acq On : 12 Oct 2020 22:24
 Operator : SY/AP
 Sample : L4214-14 L00 0.03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT4-2020

Manual Integrations
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Quant Time: Oct 13 01:58:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 23 07:38:05 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1012541	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.18	114	4158403	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	4081162	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2980054	9.74	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.26	62	3516	0.051	ppbv	95
32) 1,1,1-Trichloroethane	6.50	97	9261m	0.048	ppbv	
35) Carbon Tetrachloride	7.02	117	8128	0.037	ppbv	93
38) Trichloroethene	7.84	130	6280	0.046	ppbv #	82
52) Tetrachloroethene	11.24	164	5830	0.045	ppbv	90
63) 1,1,2,2-Tetrachloroethane	13.70	83	13174m	0.044	ppbv	

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

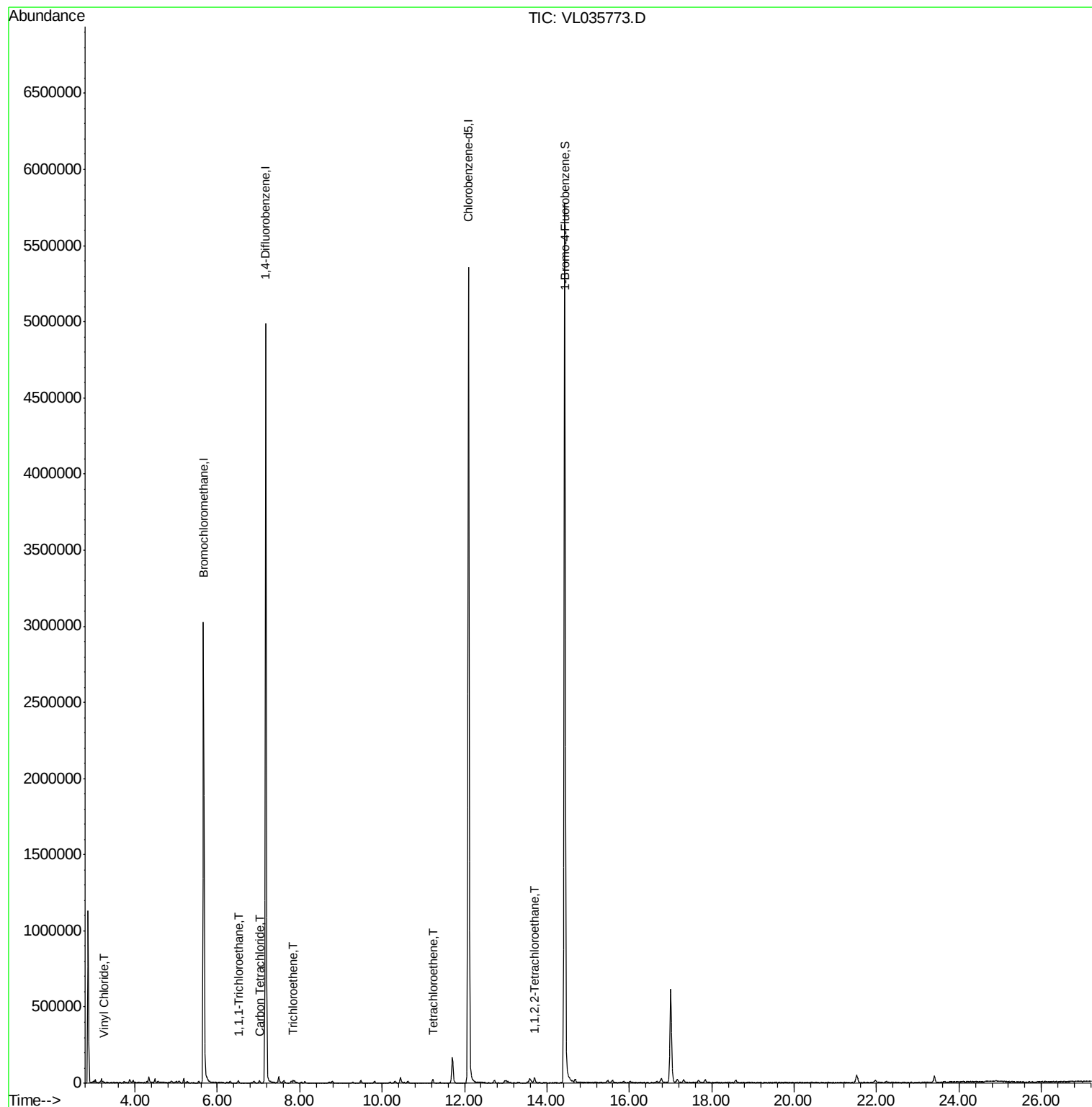
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL101220\
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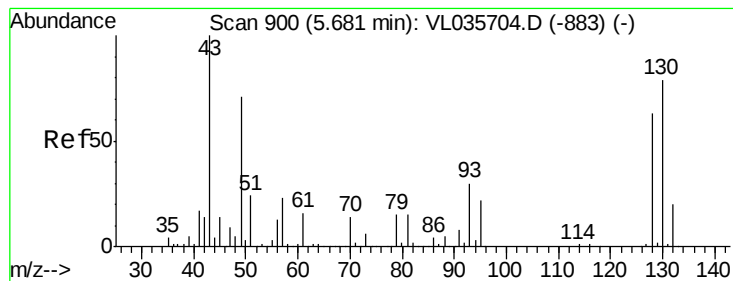
Instrument :
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QLast Update : Wed Sep 23 07:38:05 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.02 min

Lab File: VL035773.D

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Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-01-QT4-2020

Tot Ion: 49 Resp: 1012541

Ion Ratio Lower Upper

49 100

128 90.2 43.1 129.4

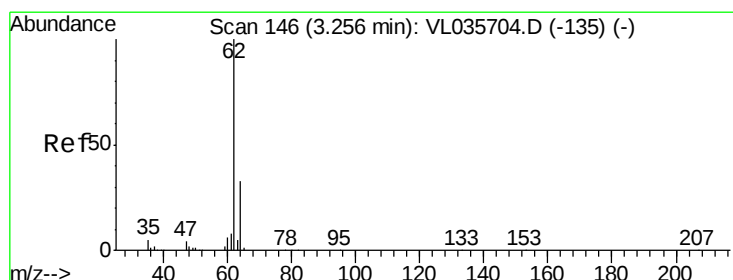
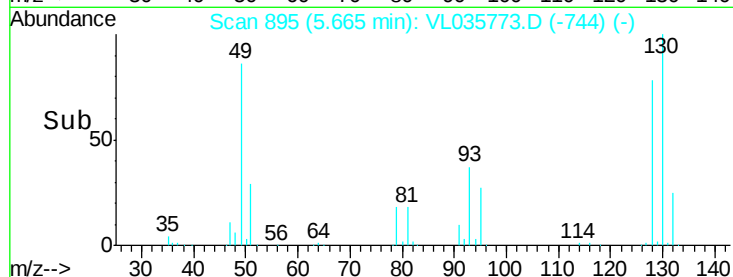
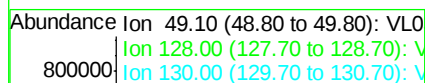
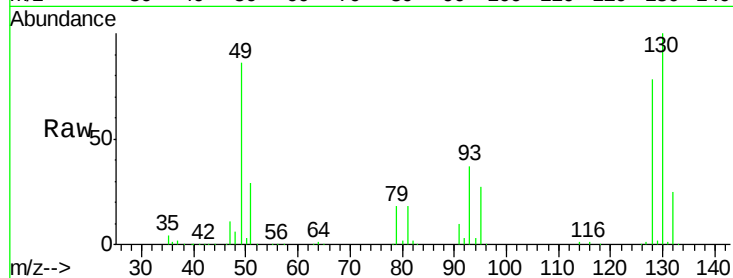
130 116.2 54.9 164.7

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#5

Vinyl Chloride

Concen: 0.051 ppbv

RT: 3.26 min Scan# 146

Delta R.T. 0.00 min

Lab File: VL035773.D

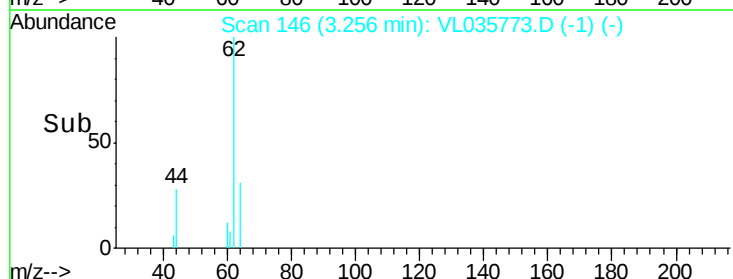
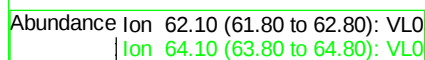
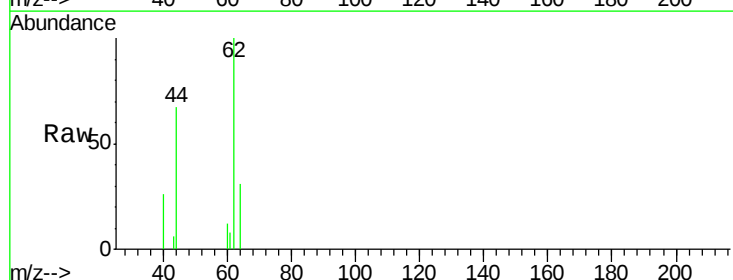
Acq: 12 Oct 2020 22:24

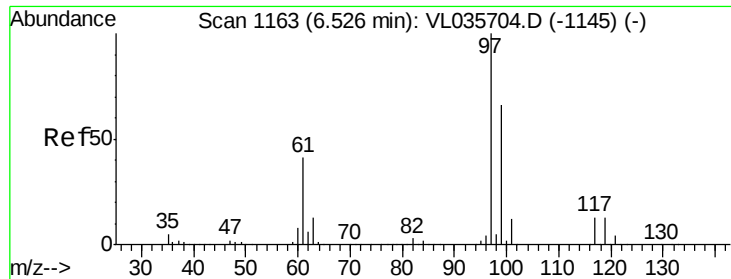
Tgt Ion: 62 Resp: 3516

Ion Ratio Lower Upper

62 100

64 30.9 26.8 40.2





#32

1,1,1-Trichloroethane

Concen: 0.048 ppbv m

RT: 6.50 min Scan# 1156

Delta R.T. -0.02 min

Lab File: VL035773.D

Acq: 12 Oct 2020 22:24

Instrument :

MSVOA_L

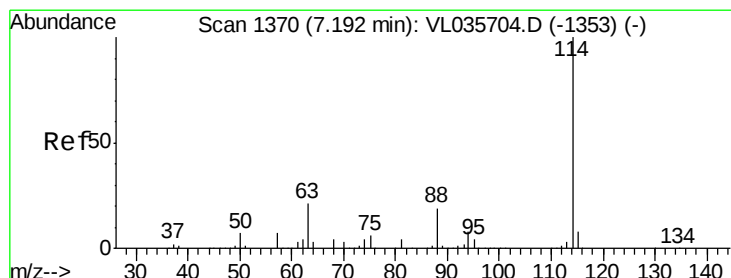
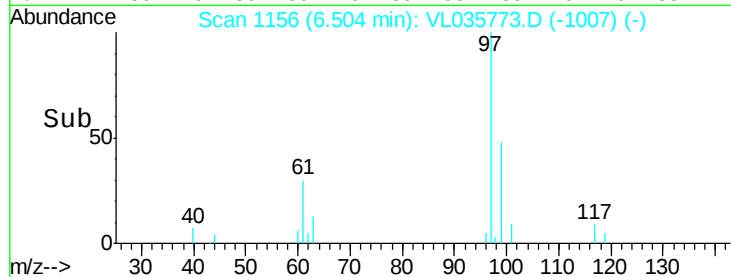
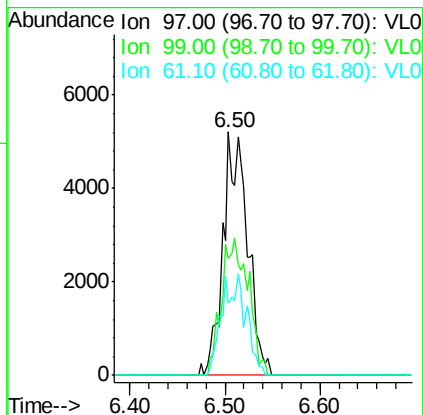
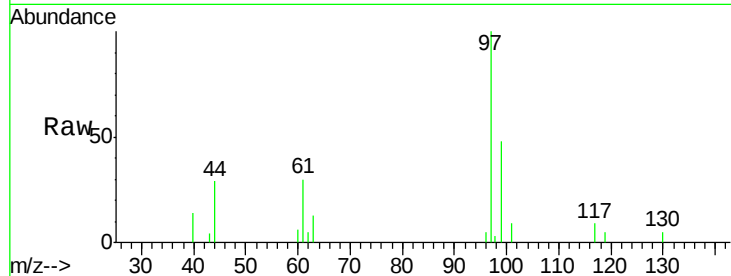
ClientSampleId :

LOQ-AIR-01-QT4-2020

Tot Ion:	97	Resp:	9261
Ion Ratio	Lower	Upper	
97	100		
99	0.0	52.7	79.1#
61	0.0	32.7	49.1#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

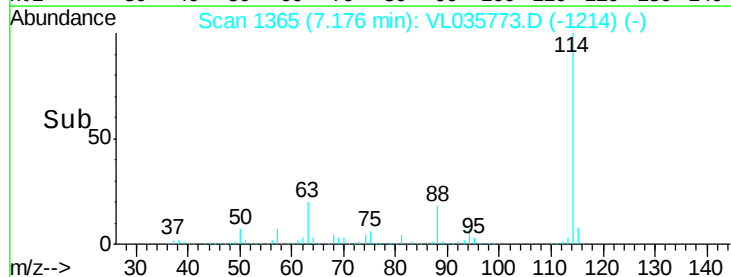
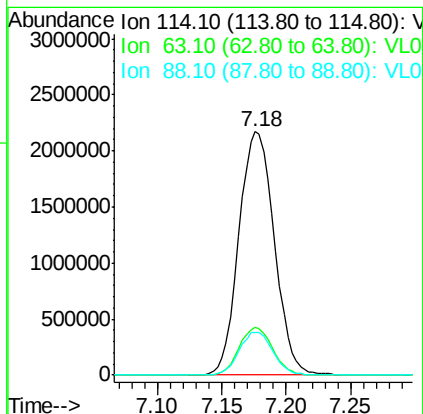
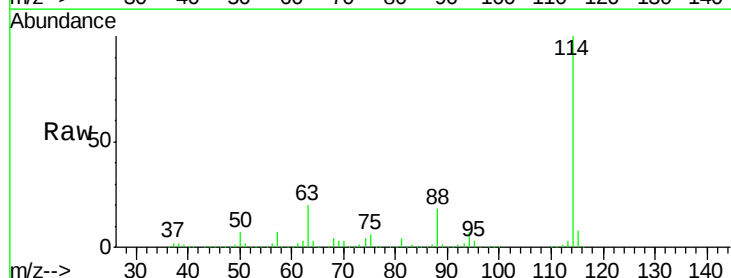
RT: 7.18 min Scan# 1365

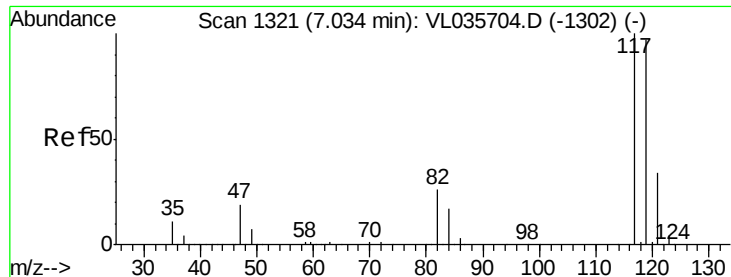
Delta R.T. -0.02 min

Lab File: VL035773.D

Acq: 12 Oct 2020 22:24

Tgt Ion:	114	Resp:	4158403
Ion Ratio	Lower	Upper	
114	100		
63	18.8	16.1	24.1
88	17.0	14.1	21.1





#35

Carbon Tetrachloride

Concen: 0.037 ppbv

RT: 7.02 min Scan# 1315

Delta R.T. -0.02 min

Lab File: VL035773.D

Acq: 12 Oct 2020 22:24

Instrument :

MSVOA_L

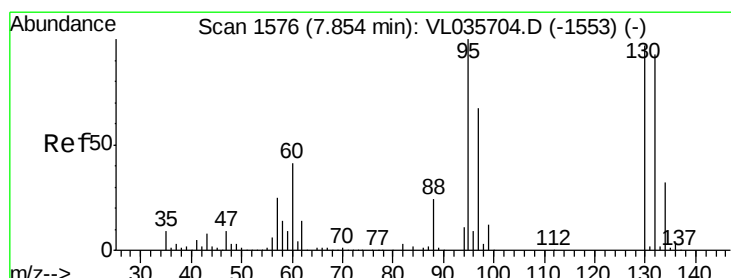
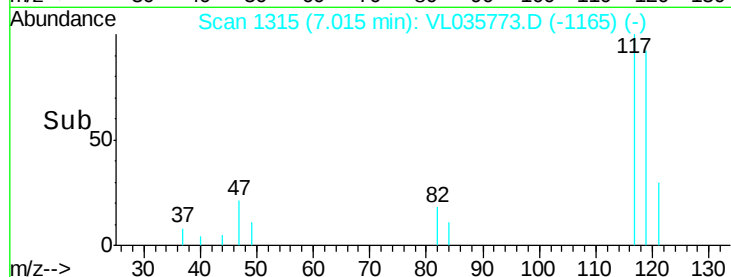
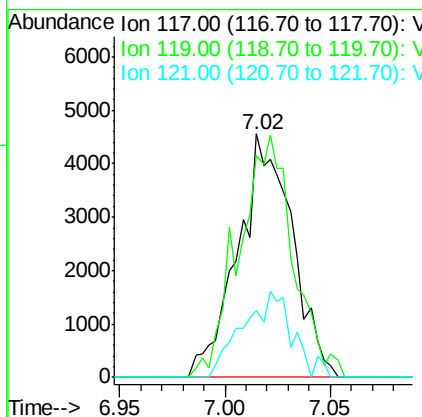
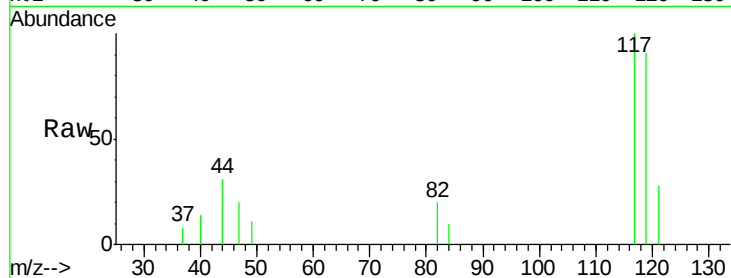
ClientSampleId :

LOQ-AIR-01-QT4-2020

Tot Ion:	117	Resp:	8128
Ion Ratio	Lower	Upper	
117	100		
119	91.3	77.7	116.5
121	27.7	26.9	40.3

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#38

Trichloroethene

Concen: 0.046 ppbv

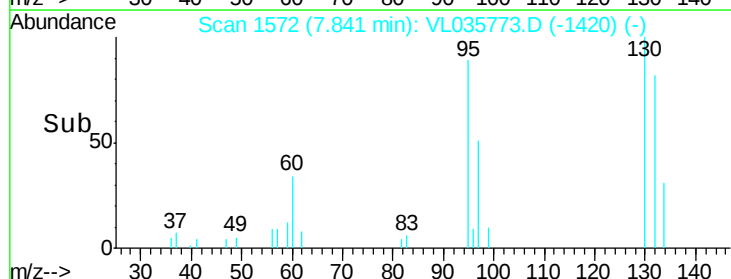
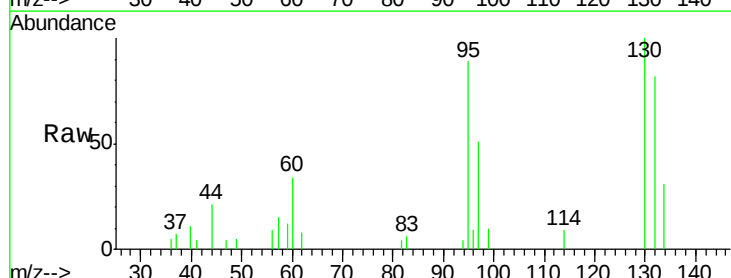
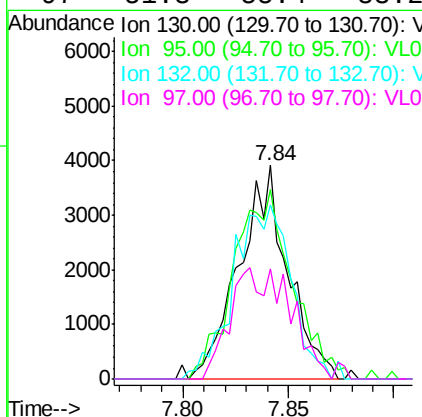
RT: 7.84 min Scan# 1572

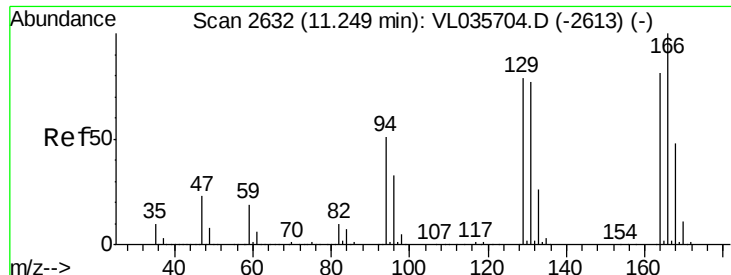
Delta R.T. -0.01 min

Lab File: VL035773.D

Acq: 12 Oct 2020 22:24

Tgt Ion:	130	Resp:	6280
Ion Ratio	Lower	Upper	
130	100		
95	88.7	82.4	123.6
132	77.8	76.8	115.2
97	51.3	55.4	83.2#





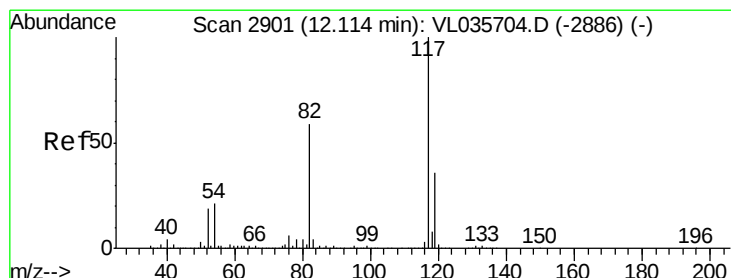
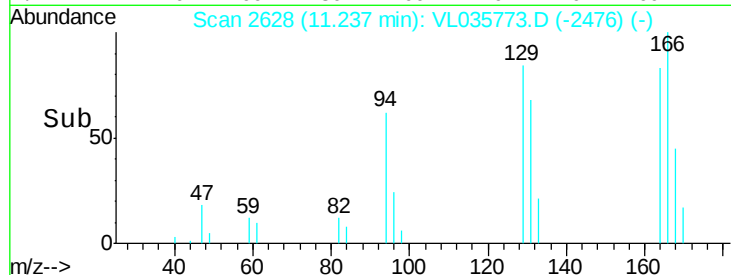
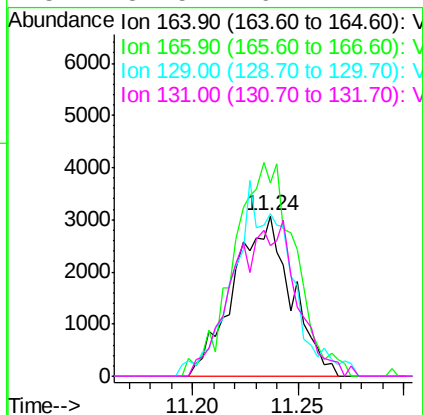
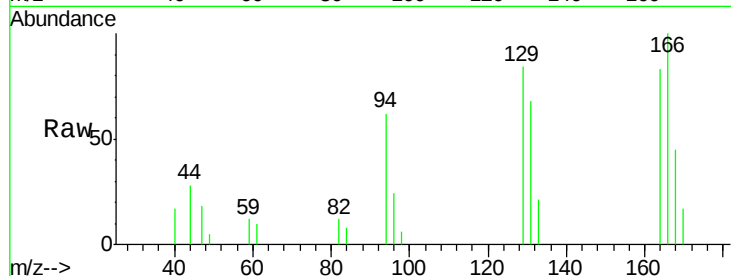
#52
Tetrachloroethene
Concen: 0.045 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. -0.01 min
Lab File: VL035773.D
Acq: 12 Oct 2020 22:24

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
164	100		
166	110.5	98.7	148.1
129	93.8	78.4	117.6
131	81.5	76.2	114.2

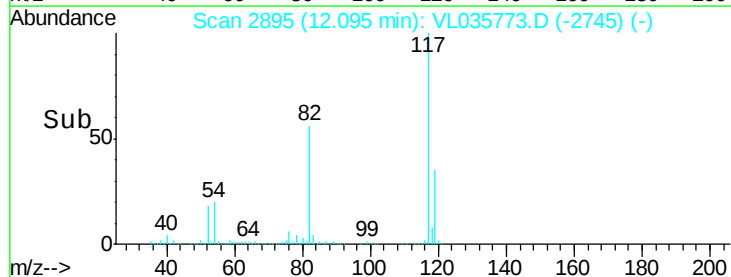
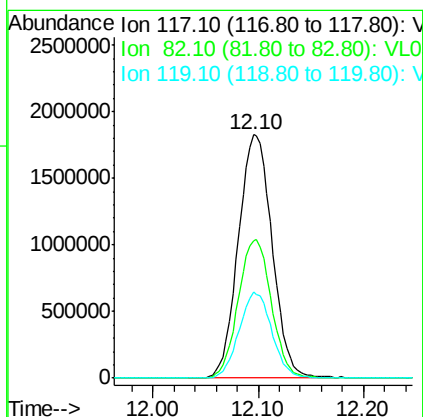
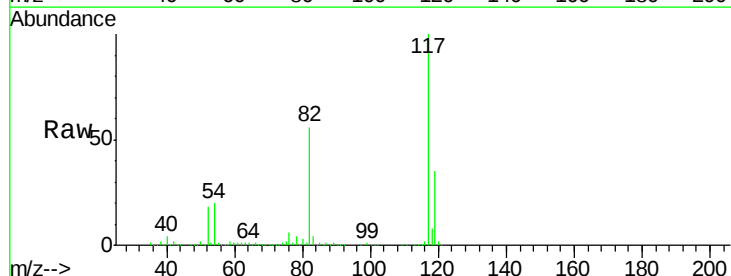
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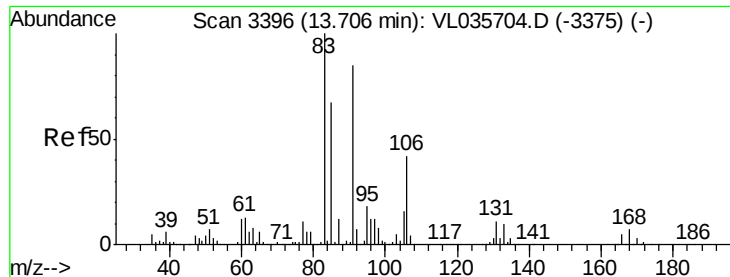
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.02 min
Lab File: VL035773.D
Acq: 12 Oct 2020 22:24

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.1	46.1	69.1
119	34.3	28.0	42.0





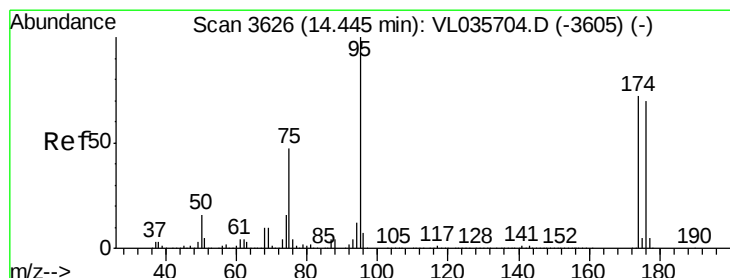
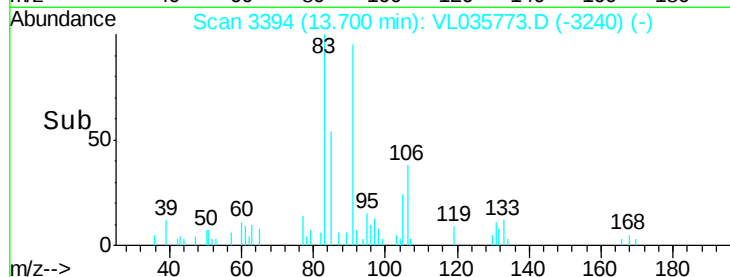
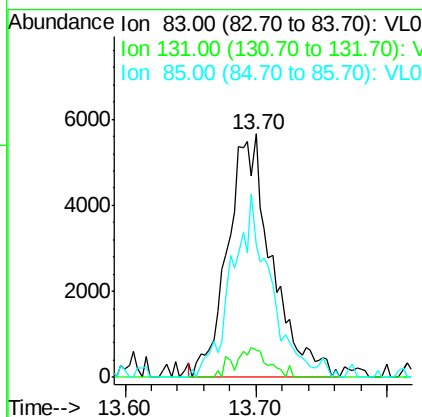
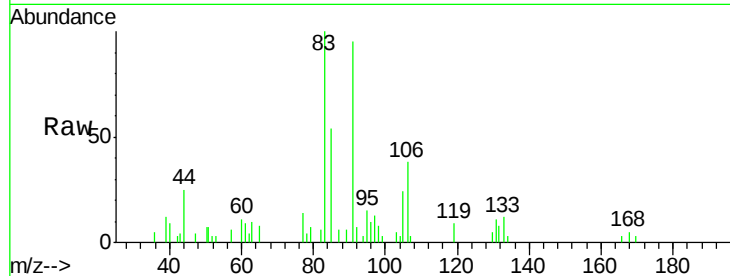
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.044 ppbv m
 RT: 13.70 min Scan# 3394
 Delta R.T. -0.01 min
 Lab File: VL035773.D
 Acq: 12 Oct 2020 22:24

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT4-2020

Tot Ion	83	Resp	13174
Ion Ratio	100	Lower	Upper
83	100		
131	9.3	5.3	16.1
85	66.6	33.4	100.2

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.745 ppbv
 RT: 14.43 min Scan# 3621
 Delta R.T. -0.02 min
 Lab File: VL035773.D
 Acq: 12 Oct 2020 22:24

Tgt Ion	95	Resp	2980054
Ion Ratio	100	Lower	Upper
95	100		
174	78.4	59.6	89.4
175	5.6	4.2	6.4

