

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030121\
 Data File : VL036420.D
 Acq On : 1 Mar 2021 18:27
 Operator : SY/AP
 Sample : M1458-13 0.1LOD
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2021

Manual Integrations
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Quant Time: Mar 02 06:33:41 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1741354	10.00	ppbv	0.04
33) 1,4-Difluorobenzene	7.19	114	3650623	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	3325356	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2669239	9.76	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl Chloride	3.27	62	9391m	0.096	ppbv	
32) 1,1,1-Trichloroethane	6.52	97	24876m	0.098	ppbv	
35) Carbon Tetrachloride	7.03	117	22846m	0.093	ppbv	
38) Trichloroethene	7.85	130	12589m	0.113	ppbv	
52) Tetrachloroethene	11.25	164	11197m	0.099	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.70	83	30386m	0.101	ppbv	

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

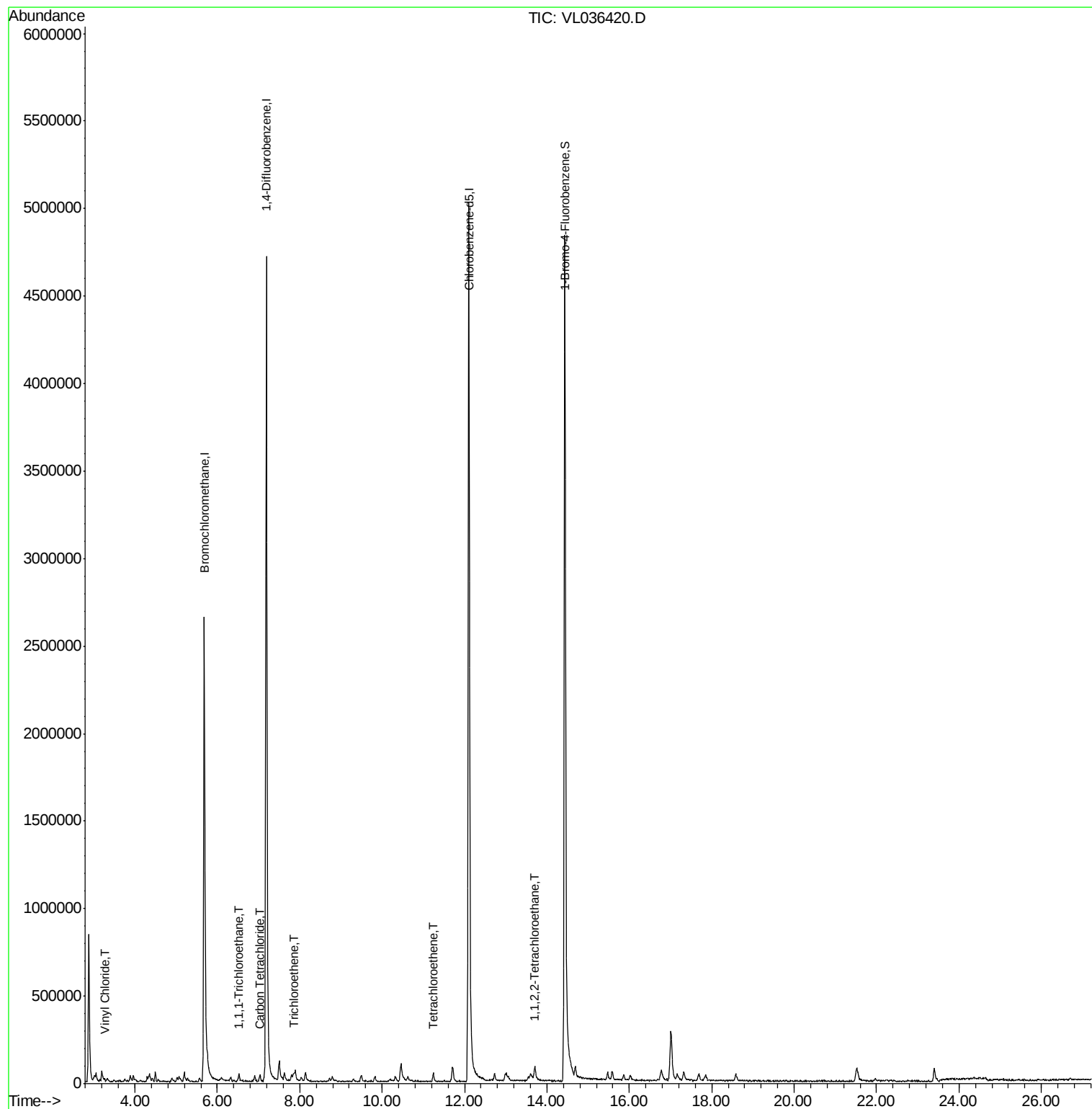
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL030121\
Data File : VL036420.D
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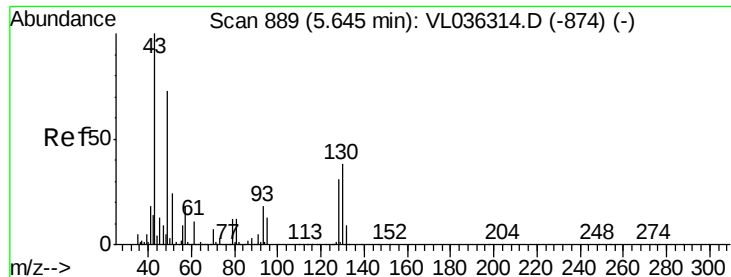
Instrument :
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ClientSampleId :
LOD-MDL-AIR-01-QT1-2021

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL021021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb
QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.04 min

Lab File: VL036420.D

Acq: 1 Mar 2021 18:27

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2021

Tgt Ion: 49 Resp: 1741354

Ion Ratio Lower Upper

49 100

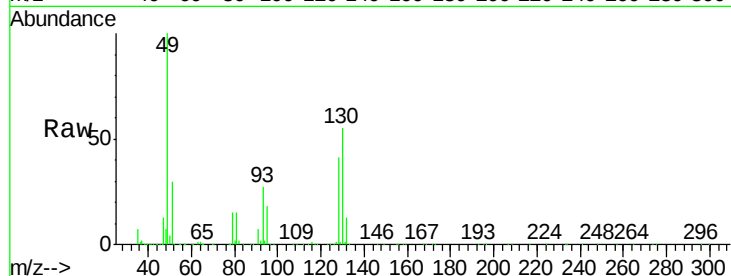
128 41.1 20.8 62.5

130 52.3 26.7 80.1

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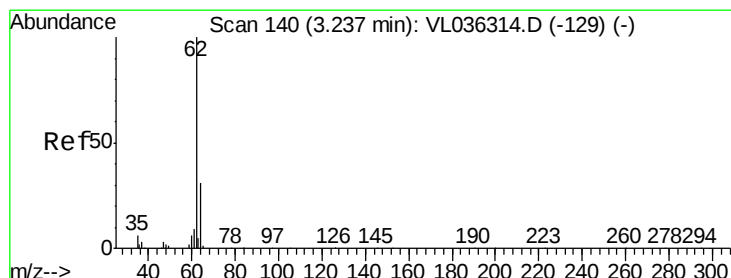
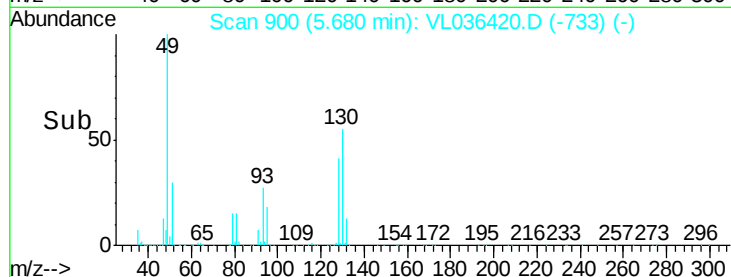
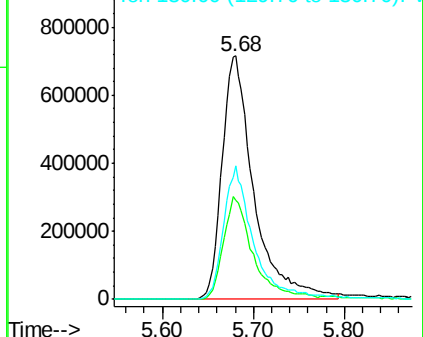
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#5

Vinyl Chloride

Concen: 0.096 ppbv m

RT: 3.27 min Scan# 149

Delta R.T. 0.03 min

Lab File: VL036420.D

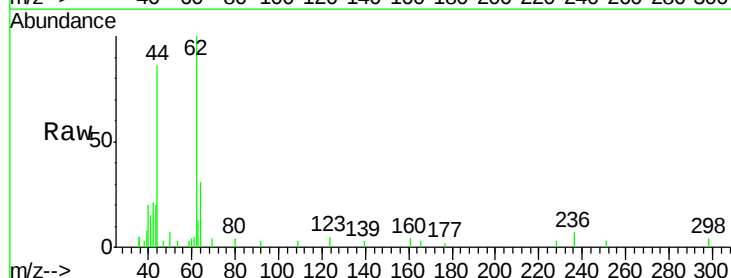
Acq: 1 Mar 2021 18:27

Tgt Ion: 62 Resp: 9391

Ion Ratio Lower Upper

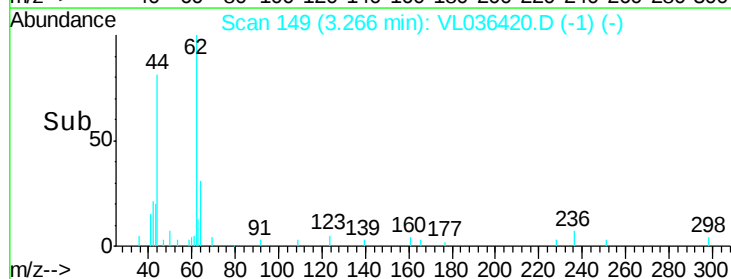
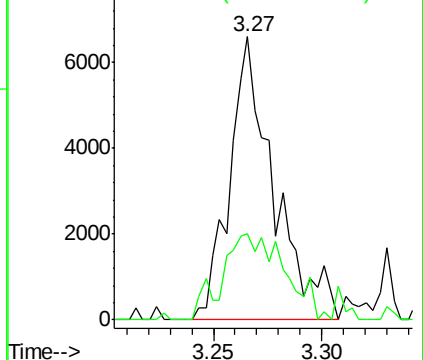
62 100

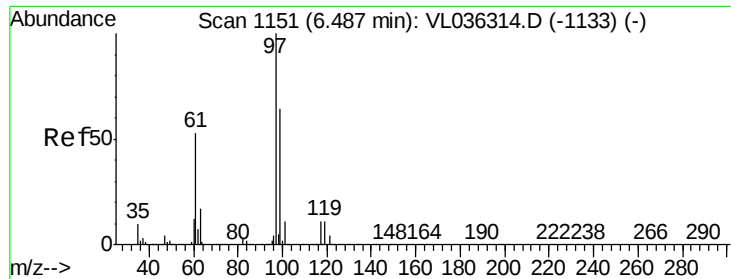
64 30.6 24.4 36.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#32

1,1,1-Trichloroethane

Concen: 0.098 ppbv m

RT: 6.52 min Scan# 1162

Delta R.T. 0.04 min

Lab File: VL036420.D

Acq: 1 Mar 2021 18:27

Instrument :

MSVOA_L

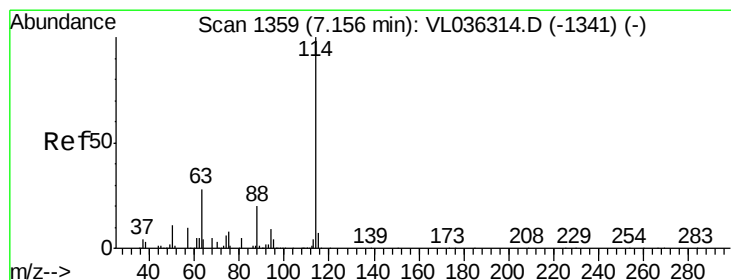
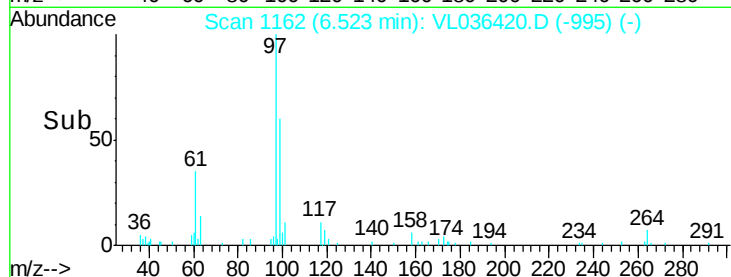
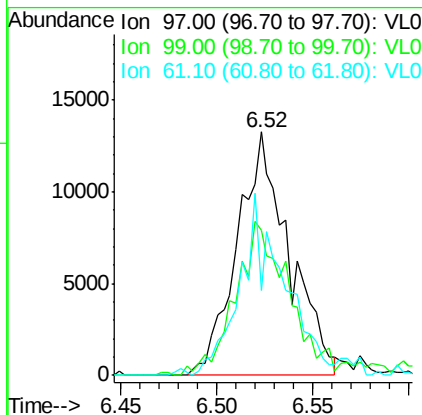
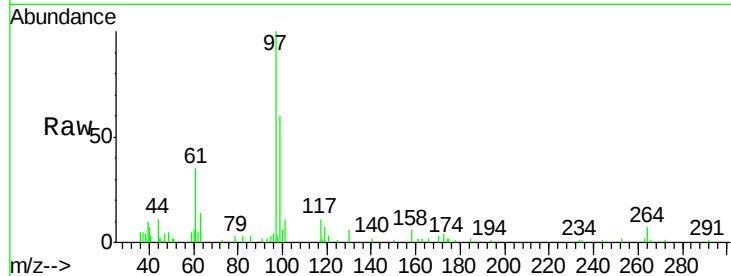
ClientSampleId :

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Tgt Ion:	97	Resp:	24876
Ion Ratio	Lower	Upper	
97	100		
99	70.2	52.2	78.4
61	68.2	43.3	64.9#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

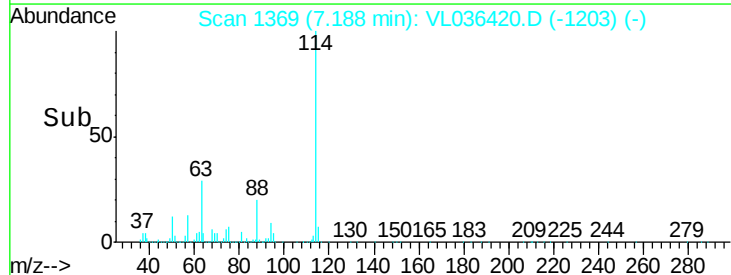
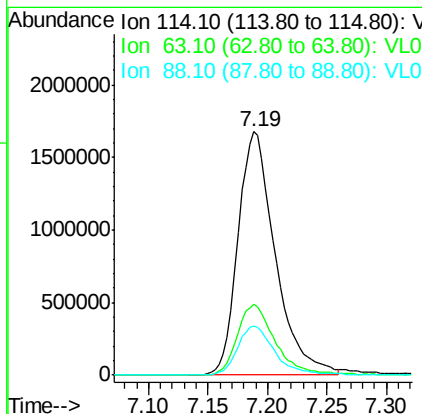
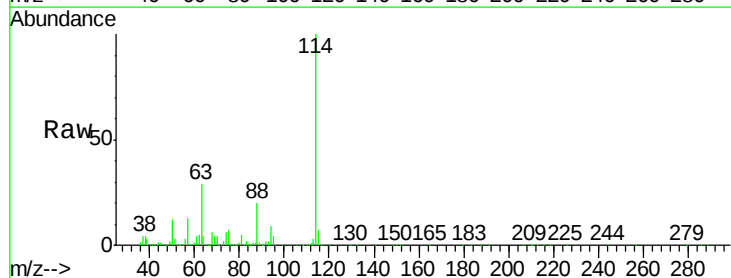
RT: 7.19 min Scan# 1369

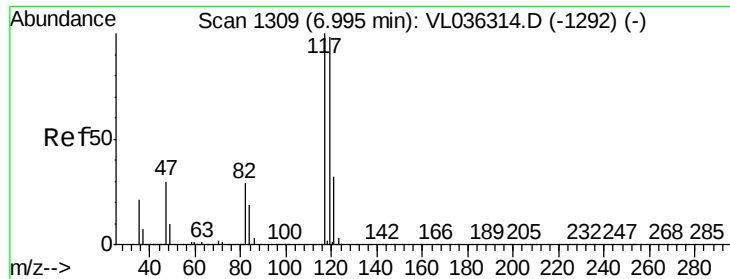
Delta R.T. 0.03 min

Lab File: VL036420.D

Acq: 1 Mar 2021 18:27

Tgt Ion:	114	Resp:	3650623
Ion Ratio	Lower	Upper	
114	100		
63	29.8	24.1	36.1
88	20.2	16.0	24.0





#35

Carbon Tetrachloride

Concen: 0.093 ppbv m

RT: 7.03 min Scan# 1320

Delta R.T. 0.04 min

Lab File: VL036420.D

Acq: 1 Mar 2021 18:27

Instrument :

MSVOA_L

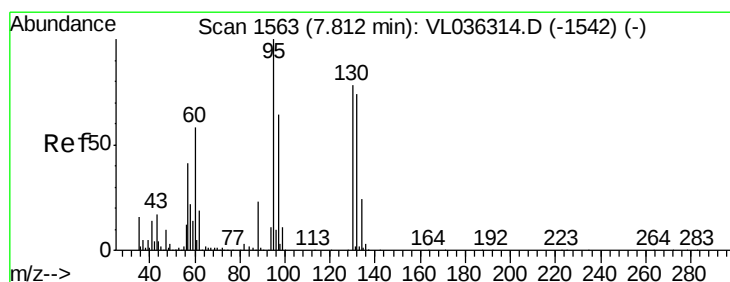
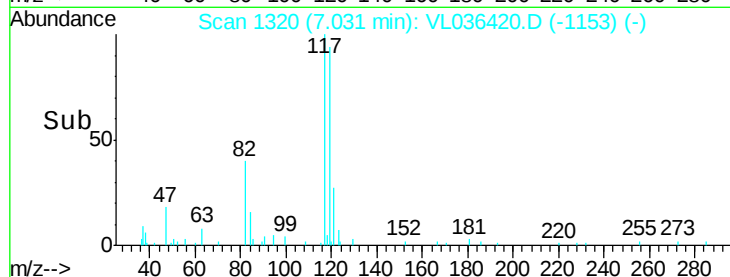
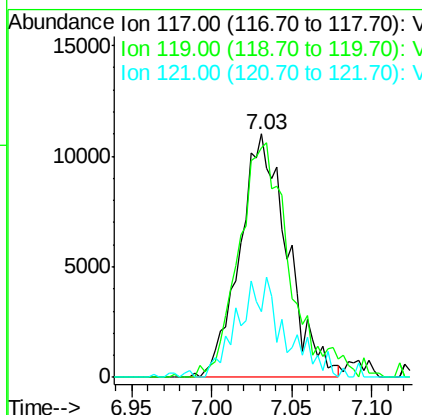
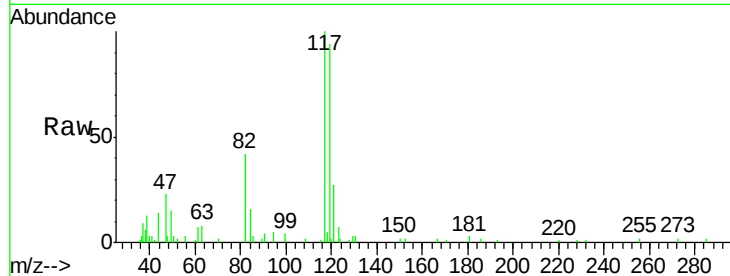
ClientSampleId :

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Tgt Ion	Ratio	Resp	Lower	Upper
117	100	22846		
119	94.2	78.1	117.1	
121	27.2	25.8	38.8	

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#38

Trichloroethene

Concen: 0.113 ppbv m

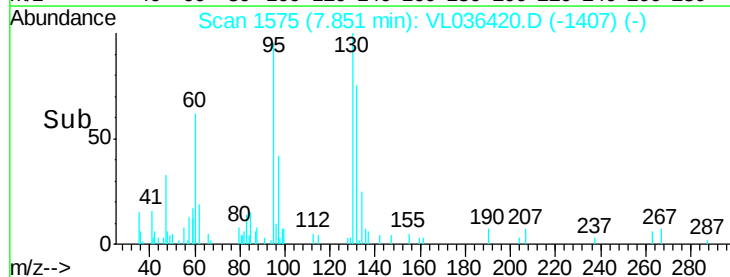
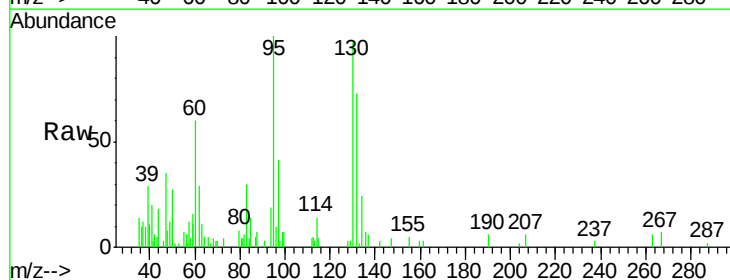
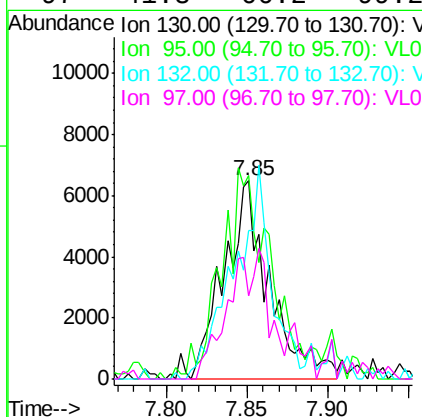
RT: 7.85 min Scan# 1575

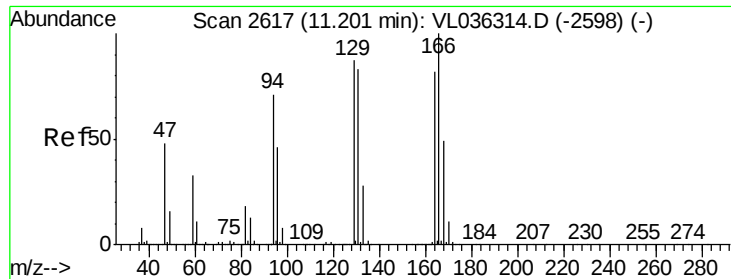
Delta R.T. 0.04 min

Lab File: VL036420.D

Acq: 1 Mar 2021 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	12589		
95	102.9	102.8	154.2	
132	75.1	75.7	113.5#	
97	41.8	66.2	99.2#	





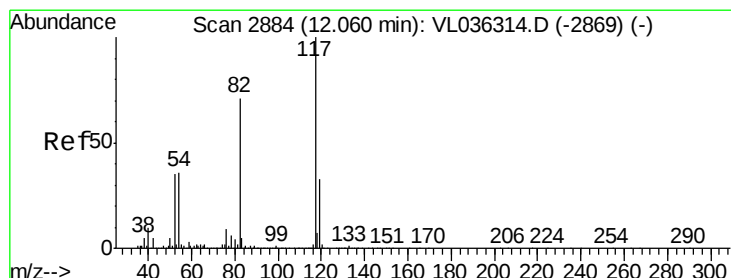
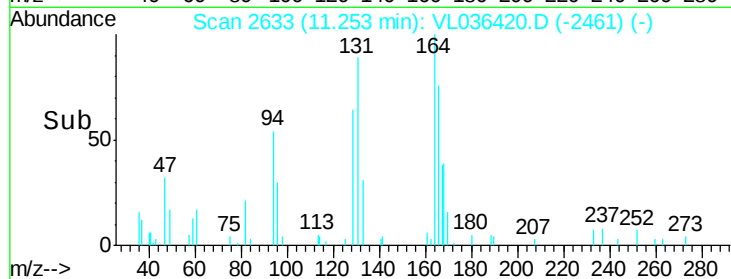
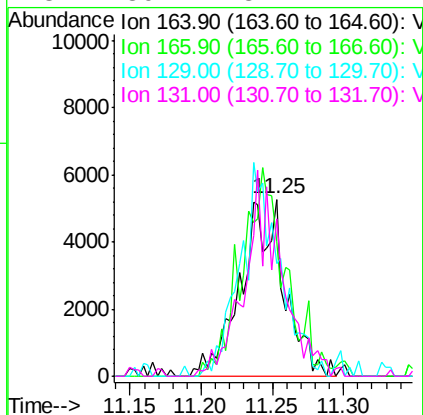
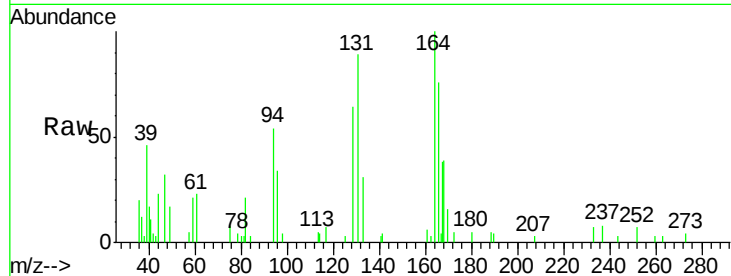
#52
Tetrachloroethene
Concen: 0.099 ppbv m
RT: 11.25 min Scan# 2633
Delta R.T. 0.05 min
Lab File: VL036420.D
Acq: 1 Mar 2021 18:27

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2021

Tgt Ion	Ratio	Lower	Upper
164	100		
166	76.3	97.8	146.8#
129	63.6	84.9	127.3#
131	89.1	81.4	122.2

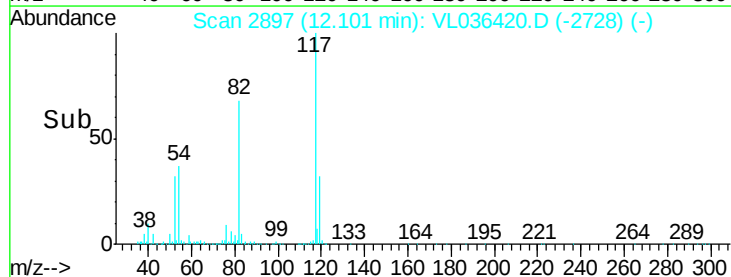
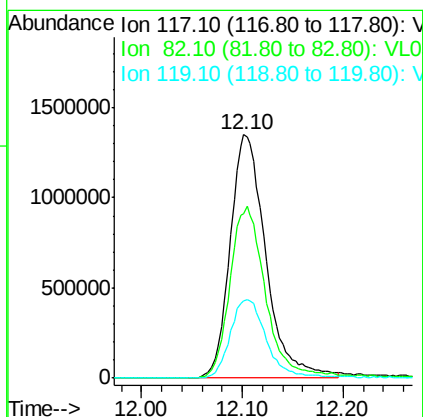
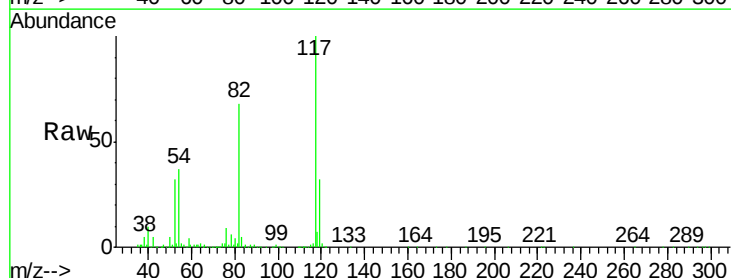
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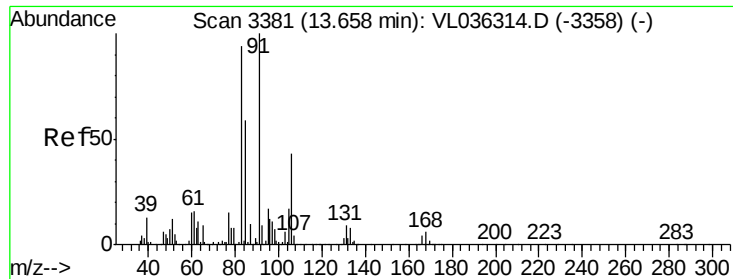
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. 0.04 min
Lab File: VL036420.D
Acq: 1 Mar 2021 18:27

Tgt Ion	Ratio	Lower	Upper
117	100		
82	72.3	59.1	88.7
119	33.9	46.3	69.5#





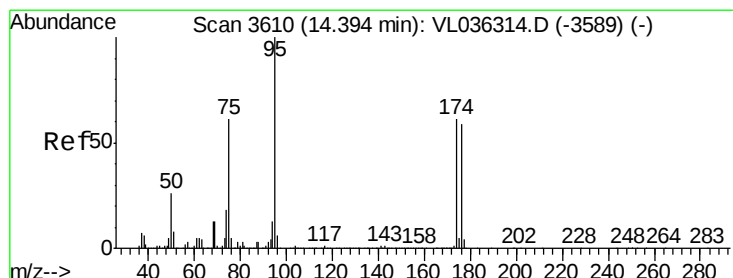
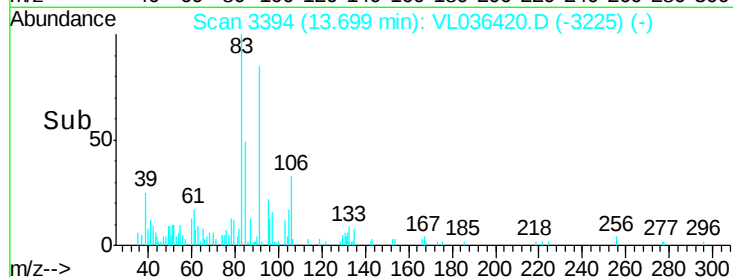
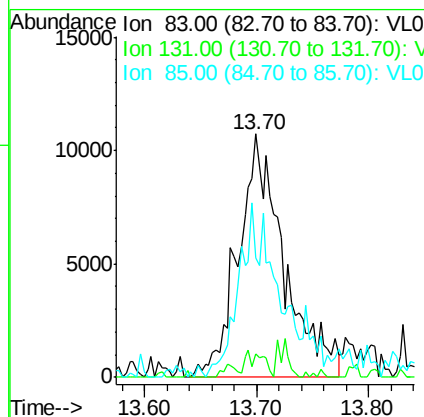
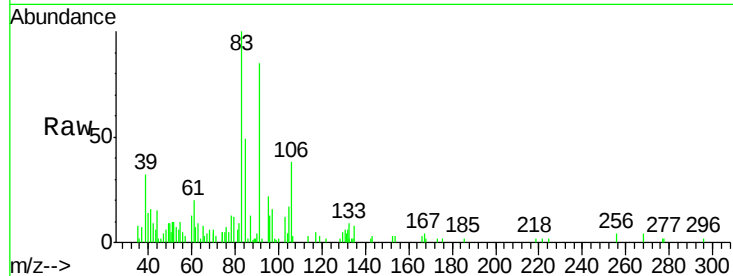
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.101 ppbv m
 RT: 13.70 min Scan# 3394
 Delta R.T. 0.04 min
 Lab File: VL036420.D
 Acq: 1 Mar 2021 18:27

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2021

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	30386		
131	0.0	4.7	14.0#	
85	0.0	33.0	98.9#	

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.756 ppbv
 RT: 14.43 min Scan# 3622
 Delta R.T. 0.04 min
 Lab File: VL036420.D
 Acq: 1 Mar 2021 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	2669239		
174	62.1	49.8	74.6	
175	4.6	3.7	5.5	

