

Data Path : Y:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081621\
 Data File : VL037476.D
 Acq On : 17 Aug 2021 00:35
 Operator : SY/AP
 Sample : M2262-14 0.03 LOQ
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2021

Manual Integrations
 APPROVED

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 8/19/2021 5:59:40 PM

Quant Time: Aug 17 03:31:39 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1361397	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4103513	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3456427	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2475442	10.08	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.25	62	5960m	0.062	ppbv	
32) 1,1,1-Trichloroethane	6.49	97	10819m	0.045	ppbv	
35) Carbon Tetrachloride	6.99	117	10245m	0.042	ppbv	
38) Trichloroethene	7.81	130	6536m	0.046	ppbv	
52) Tetrachloroethene	11.19	164	7249m	0.051	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.66	83	16060m	0.056	ppbv	

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

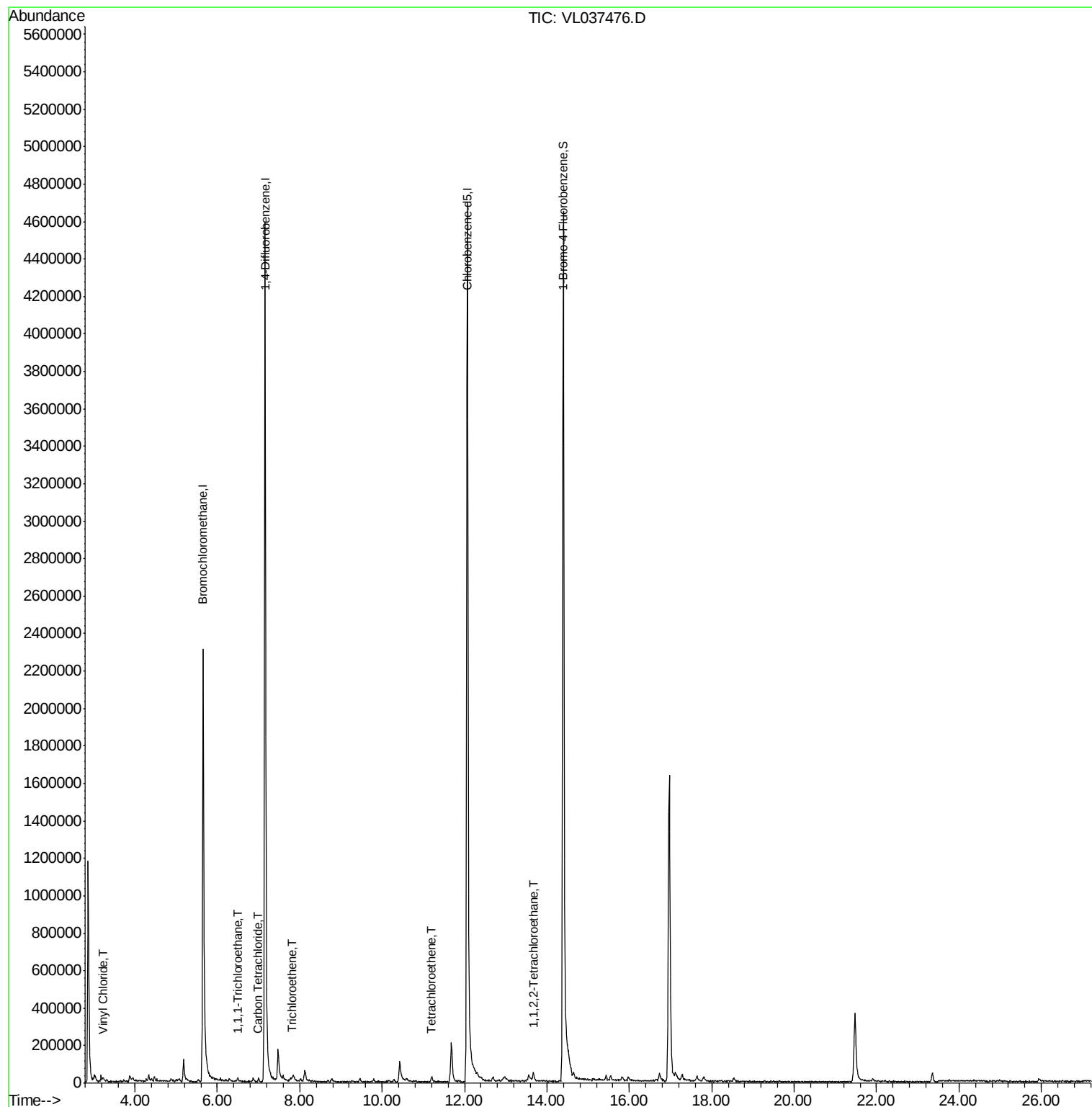
Data Path : Y:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081621\
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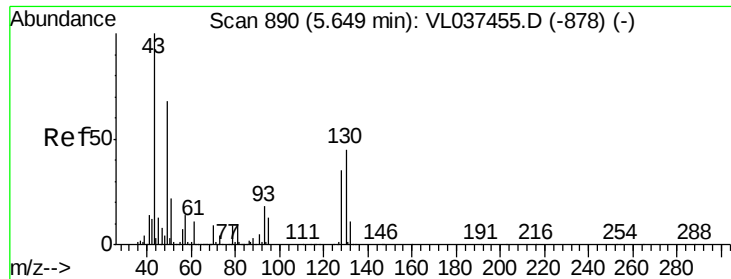
Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
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QLast Update : Tue Aug 17 02:13:47 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037476.D

Acq: 17 Aug 2021 00:35

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2021

Tot Ion: 49 Resp: 1361397

Ion Ratio Lower Upper

49 100

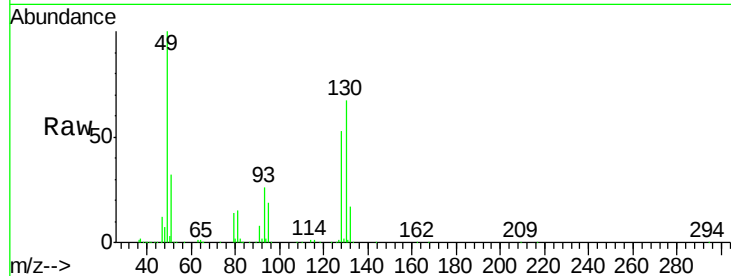
128 55.8 27.5 82.4

130 69.6 34.0 101.8

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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

800000

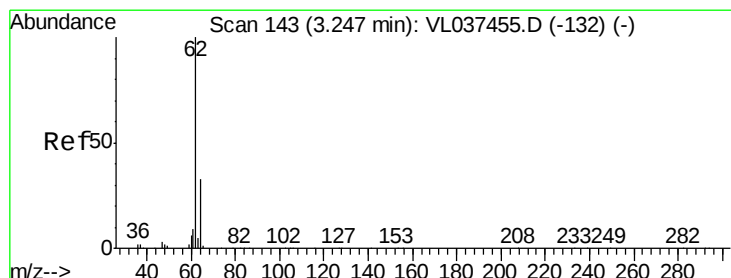
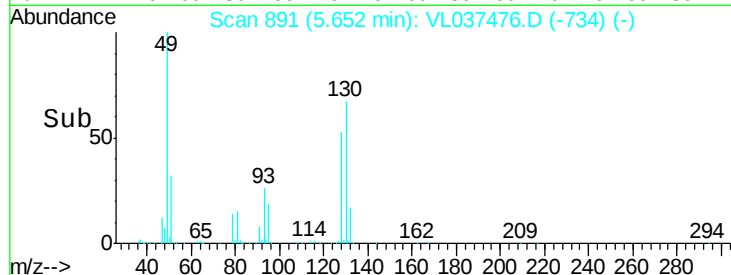
600000

400000

200000

0

Time--> 5.55 5.60 5.65 5.70 5.75



#5

Vinyl Chloride

Concen: 0.062 ppbv m

RT: 3.25 min Scan# 143

Delta R.T. 0.00 min

Lab File: VL037476.D

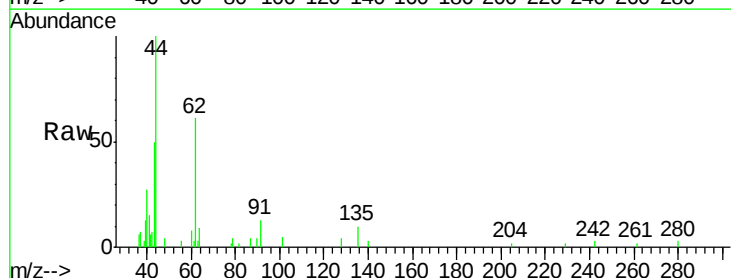
Acq: 17 Aug 2021 00:35

Tgt Ion: 62 Resp: 5960

Ion Ratio Lower Upper

62 100

64 15.3 26.5 39.7#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

4000

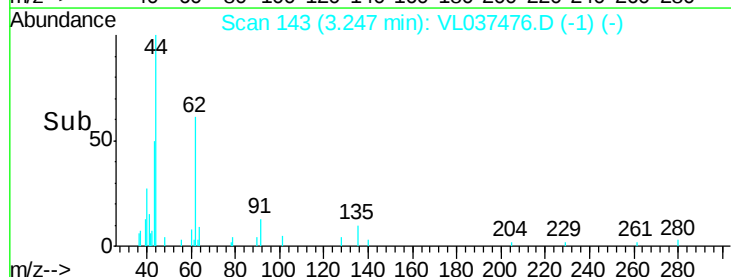
3000

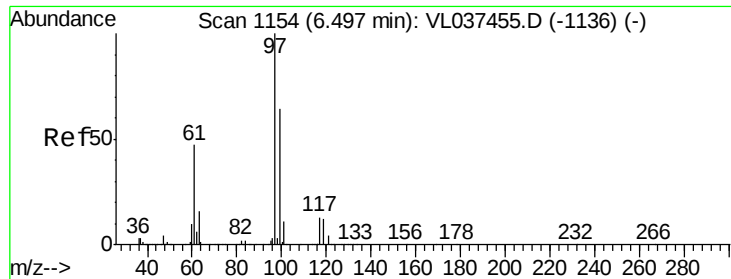
2000

1000

0

Time--> 3.20 3.25 3.30





#32

1,1,1-Trichloroethane

Concen: 0.045 ppbv m

RT: 6.49 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VL037476.D

Acq: 17 Aug 2021 00:35

Instrument :

MSVOA_L

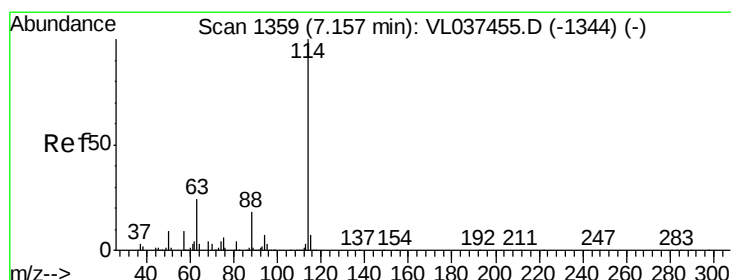
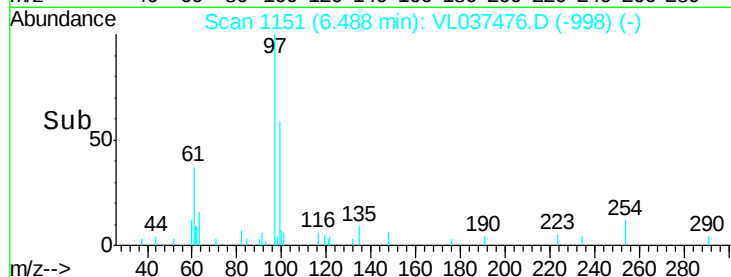
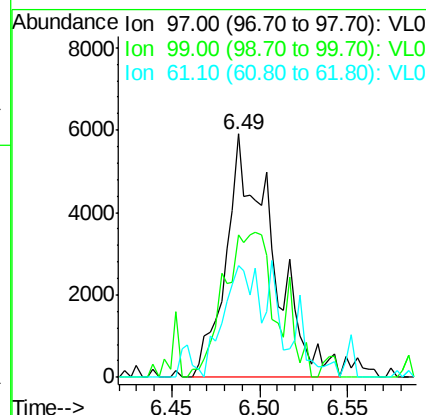
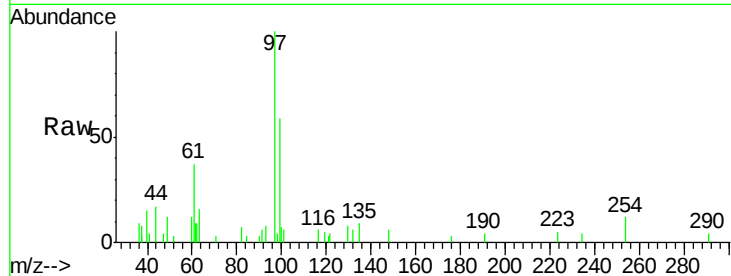
ClientSampleId :

LOQ-AIR-02-QT2-2021

Tot Ion:	97	Resp:	10819
Ion Ratio	Lower	Upper	
97	100		
99	0.0	51.8	77.6#
61	58.6	39.6	59.4

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

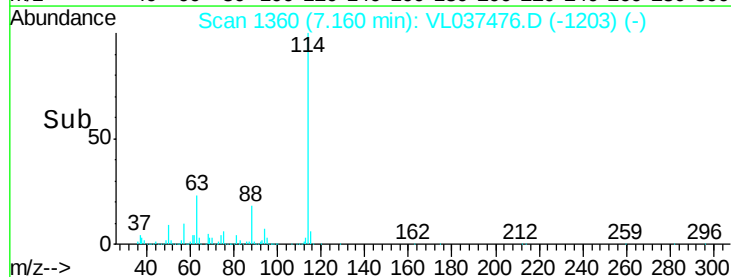
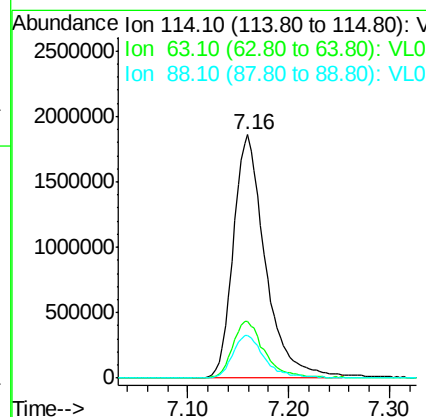
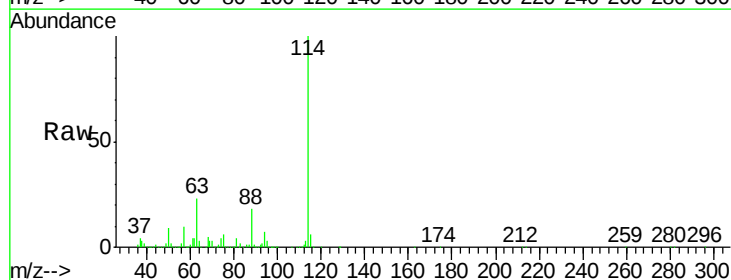
RT: 7.16 min Scan# 1360

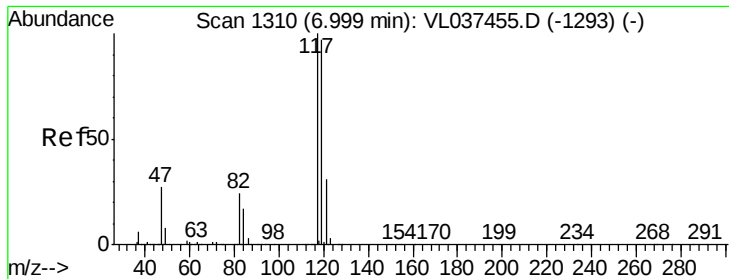
Delta R.T. 0.00 min

Lab File: VL037476.D

Acq: 17 Aug 2021 00:35

Tgt Ion:	114	Resp:	4103513
Ion Ratio	Lower	Upper	
114	100		
63	23.7	19.3	28.9
88	18.0	14.2	21.4





#35

Carbon Tetrachloride

Concen: 0.042 ppbv m

RT: 6.99 min Scan# 1308

Delta R.T. -0.01 min

Lab File: VL037476.D

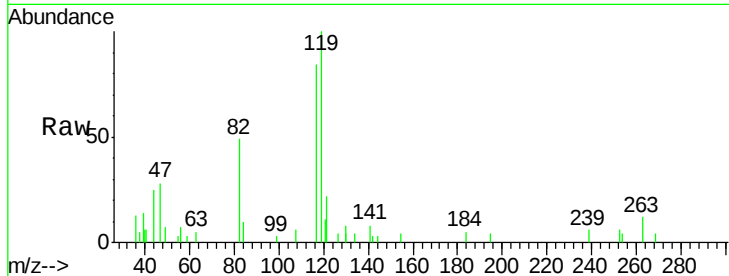
Acq: 17 Aug 2021 00:35

Instrument :

MSVOA_L

ClientSampleId :

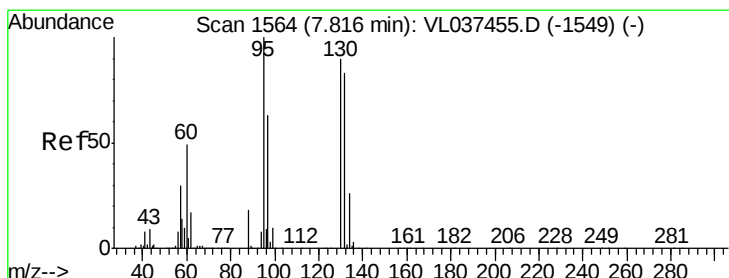
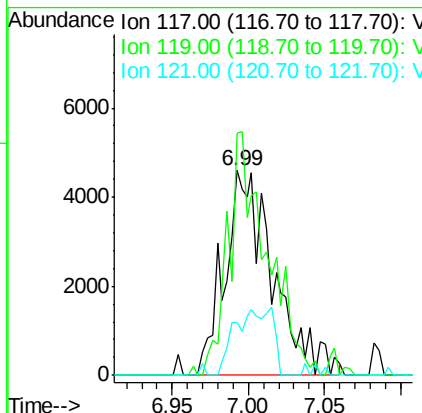
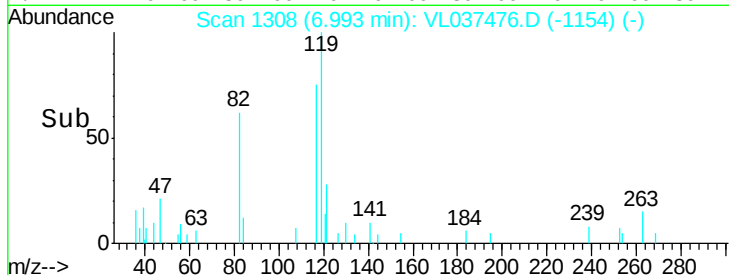
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Tot Ion:	117	Resp:	10245
Ion Ratio	Lower	Upper	
117	100		
119	118.4	77.3	115.9#
121	25.8	25.2	37.8

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#38

Trichloroethene

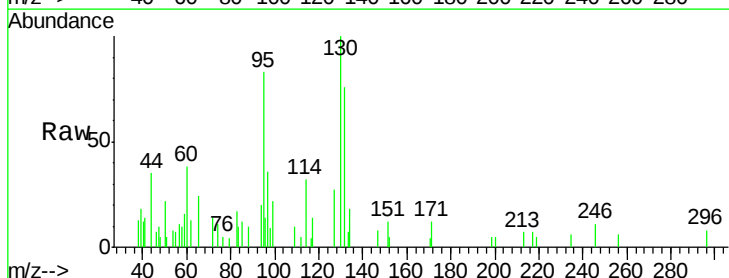
Concen: 0.046 ppbv m

RT: 7.81 min Scan# 1563

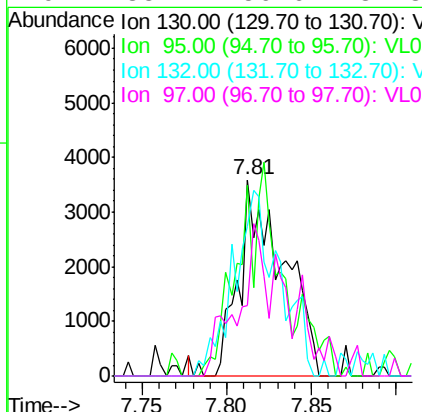
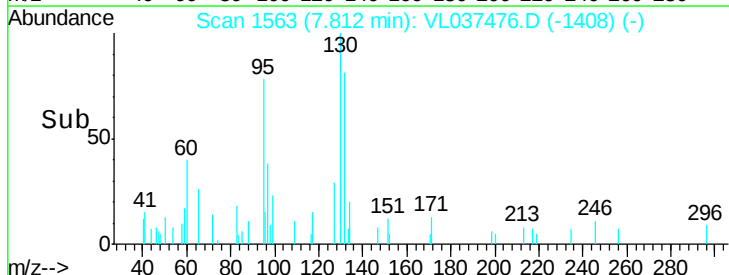
Delta R.T. -0.00 min

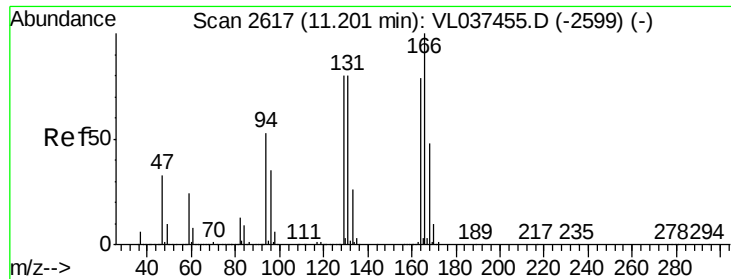
Lab File: VL037476.D

Acq: 17 Aug 2021 00:35



Tgt Ion:	130	Resp:	6536
Ion Ratio	Lower	Upper	
130	100		
95	83.2	89.2	133.8#
132	76.4	74.0	111.0
97	35.7	56.6	84.8#





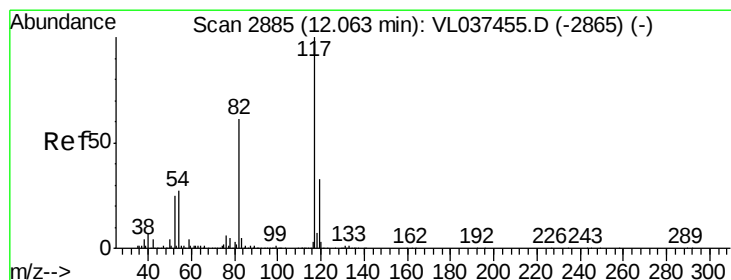
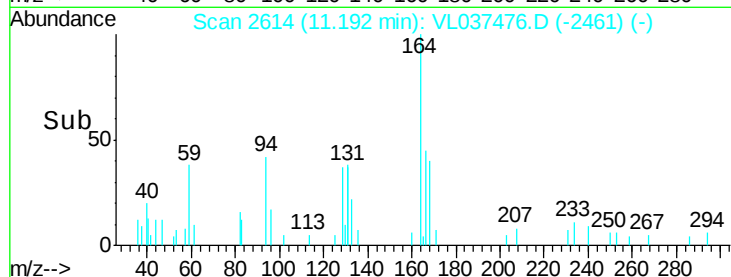
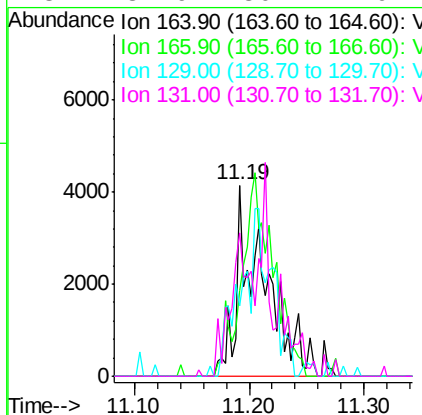
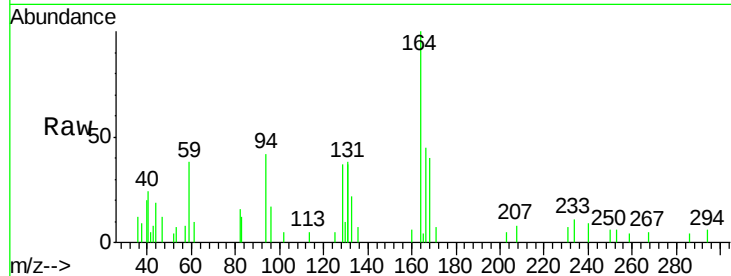
#52
Tetrachloroethene
Concen: 0.051 ppbv m
RT: 11.19 min Scan# 2614
Delta R.T. -0.01 min
Lab File: VL037476.D
Acq: 17 Aug 2021 00:35

Instrument :
MSVOA_L
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
164	100		
166	44.8	100.7	151.1#
129	37.1	80.9	121.3#
131	37.9	80.2	120.4#

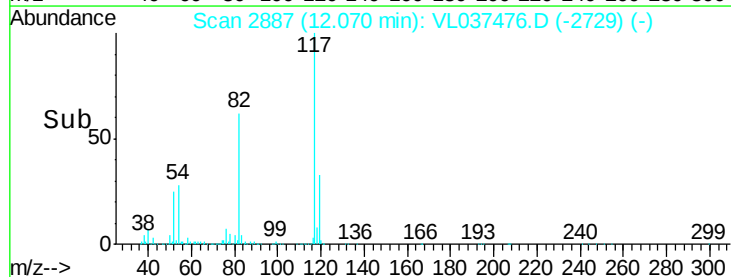
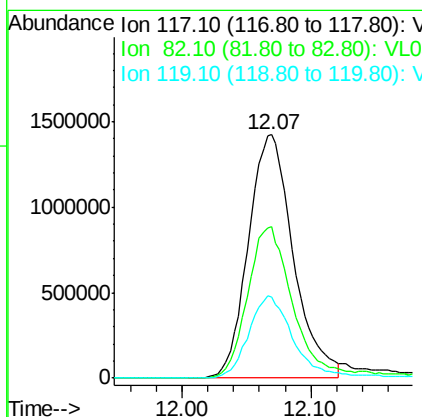
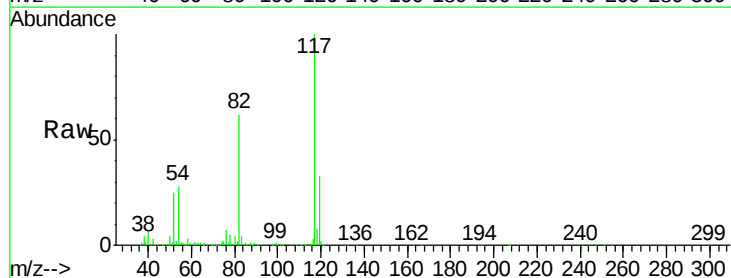
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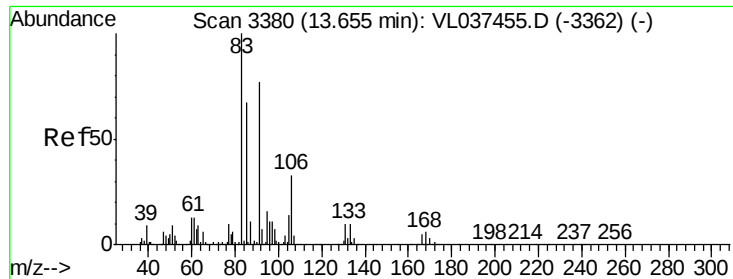
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. 0.01 min
Lab File: VL037476.D
Acq: 17 Aug 2021 00:35

Tgt Ion	Ratio	Lower	Upper
117	100		
82	66.6	52.9	79.3
119	34.7	24.8	37.2





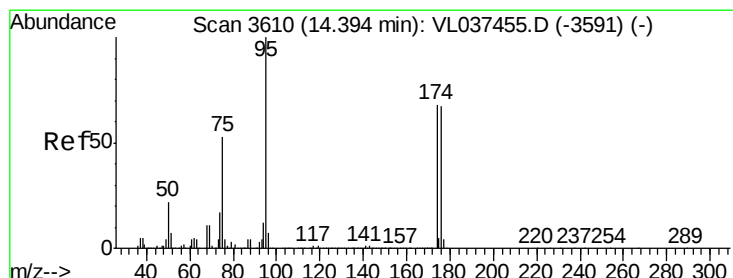
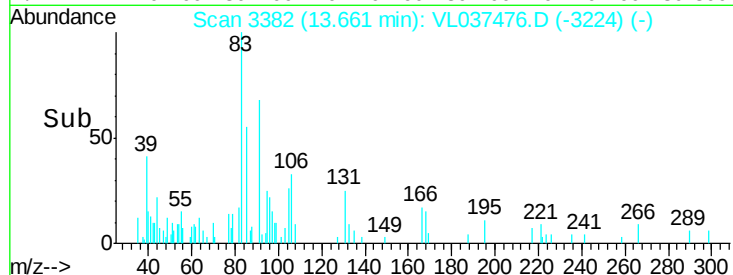
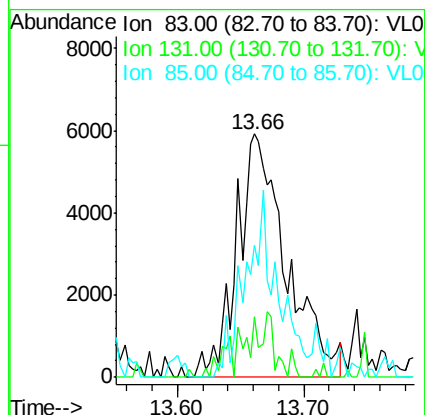
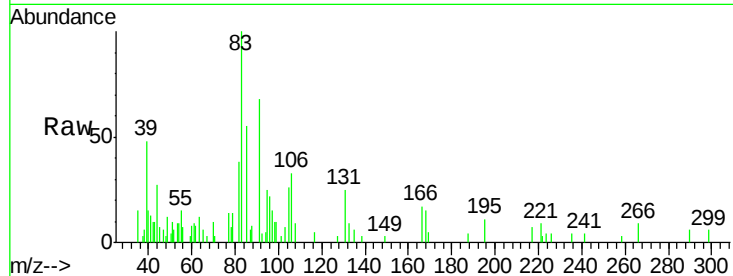
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.056 ppbv m
 RT: 13.66 min Scan# 3382
 Delta R.T. 0.01 min
 Lab File: VL037476.D
 Acq: 17 Aug 2021 00:35

Instrument :
 MSVOA_L
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Tot Ion	83	Resp	16060
Ion Ratio	100	Lower	Upper
83	100		
131	18.1	5.0	15.0#
85	53.4	33.8	101.3

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.081 ppbv
 RT: 14.40 min Scan# 3611
 Delta R.T. 0.00 min
 Lab File: VL037476.D
 Acq: 17 Aug 2021 00:35

Tgt Ion	95	Resp	2475442
Ion Ratio	100	Lower	Upper
95	100		
174	76.7	59.6	89.4
175	5.4	4.6	7.0

