

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050620\
 Data File : VL034940.D
 Acq On : 6 May 2020 12:42
 Operator : SY/AP
 Sample : VSTDIC0.1
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Manual Integrations
 APPROVED

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 5/7/2020 2:29:41 PM

Quant Time: May 06 13:34:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 12:36:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1177469	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2671347	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2474975	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2085778	10.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.22	62	7202	0.101	ppbv	94
32) 1,1,1-Trichloroethane	6.51	97	17168m	0.099	ppbv	
35) Carbon Tetrachloride	7.02	117	16282m	0.098	ppbv	
38) Trichloroethene	7.85	130	7491m	0.083	ppbv	
52) Tetrachloroethene	11.25	164	7678m	0.082	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.72	83	21220m	0.114	ppbv	

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

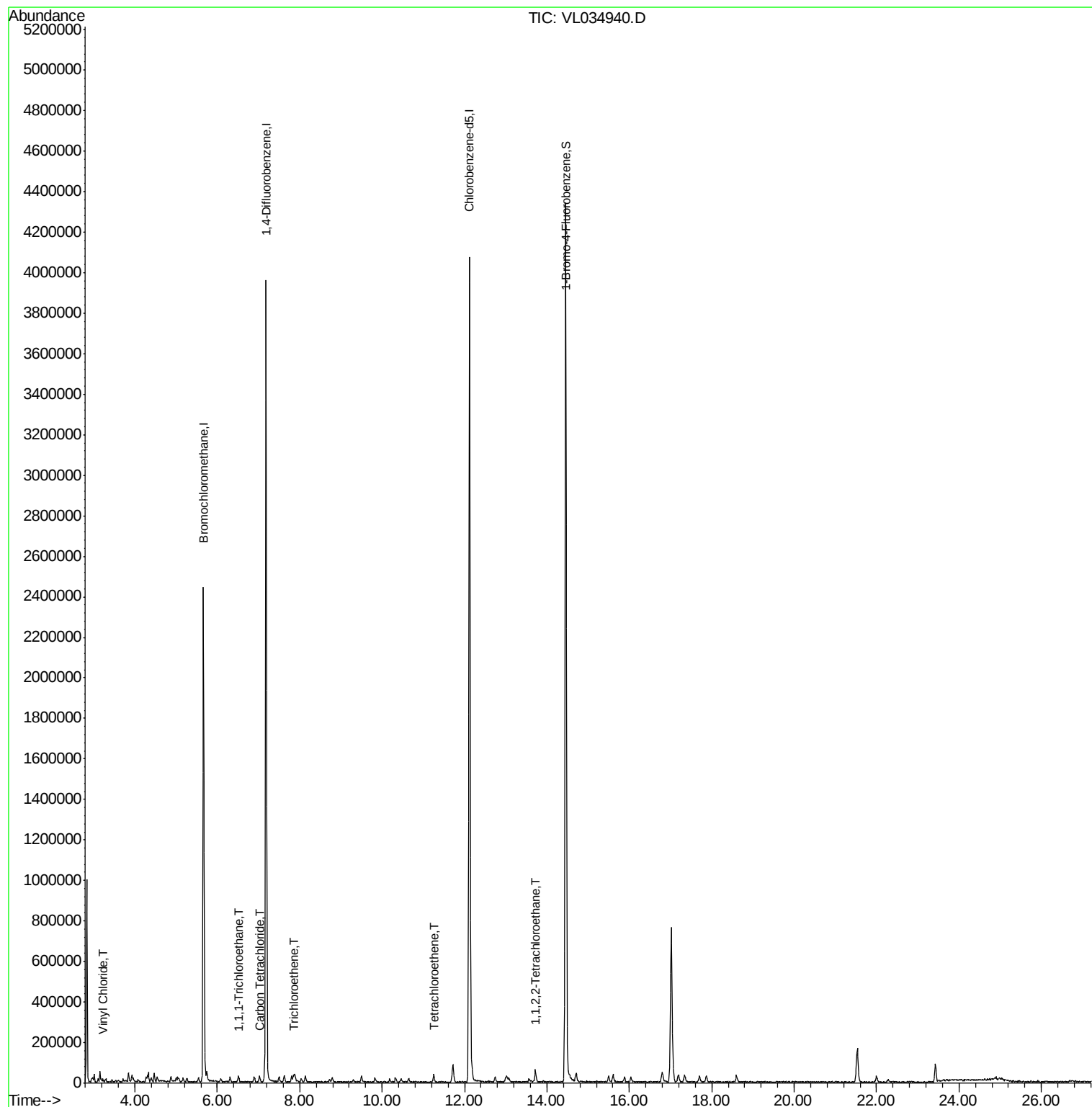
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL050620\
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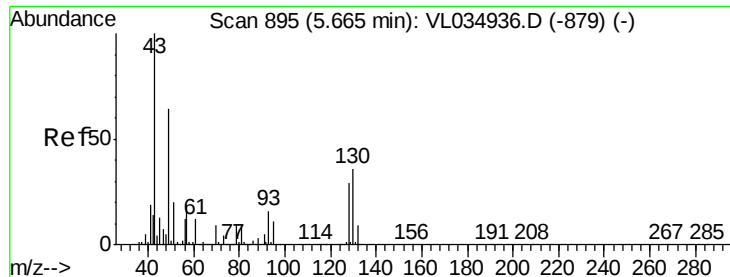
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
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QLast Update : Wed May 06 12:36:21 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL034940.D

Acq: 6 May 2020 12:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion: 49 Resp: 1177469

Ion Ratio Lower Upper

49 100

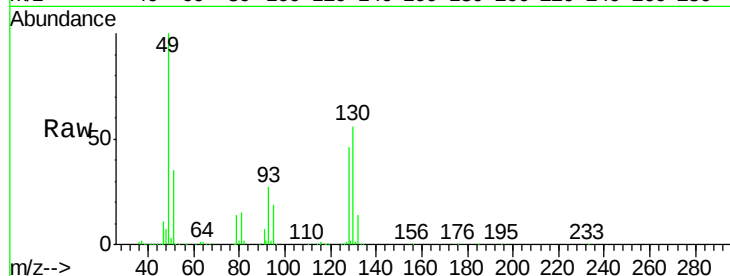
128 45.1 22.1 66.5

130 56.6 29.1 87.3

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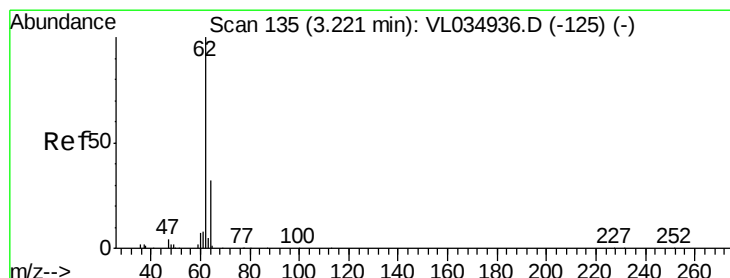
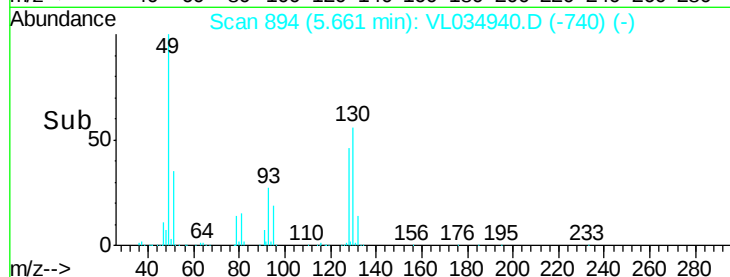
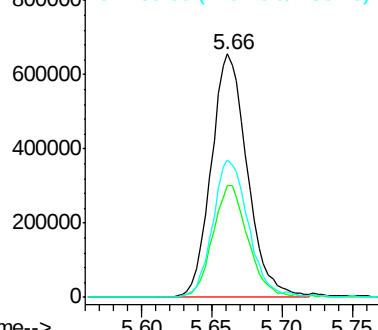
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#5

Vinyl Chloride

Concen: 0.101 ppbv

RT: 3.22 min Scan# 136

Delta R.T. 0.00 min

Lab File: VL034940.D

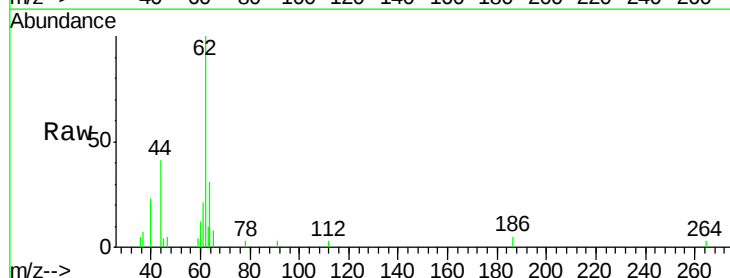
Acq: 6 May 2020 12:42

Tgt Ion: 62 Resp: 7202

Ion Ratio Lower Upper

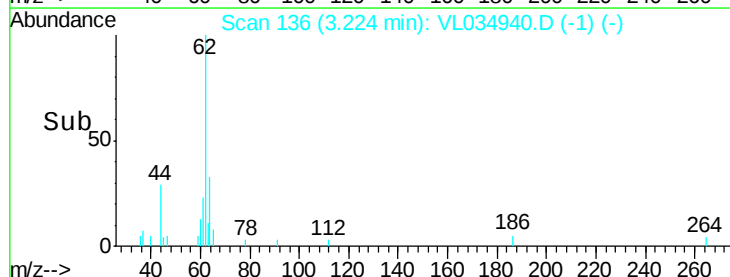
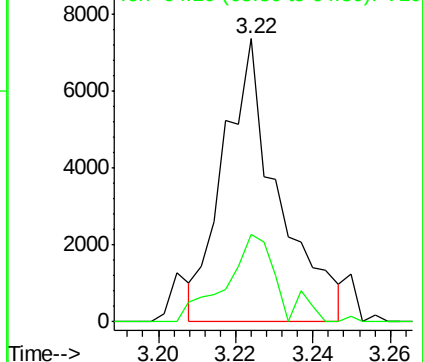
62 100

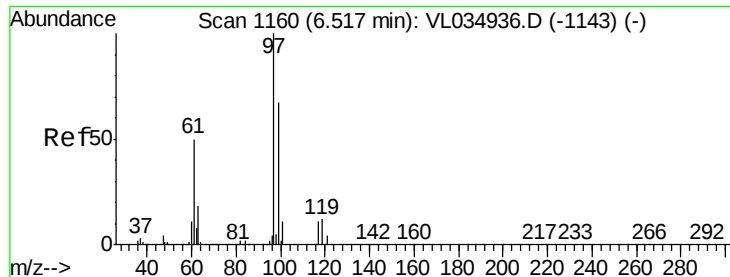
64 35.6 25.7 38.5



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: 0.099 ppbv m

RT: 6.51 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VL034940.D

Acq: 6 May 2020 12:42

Instrument :

MSVOA_L

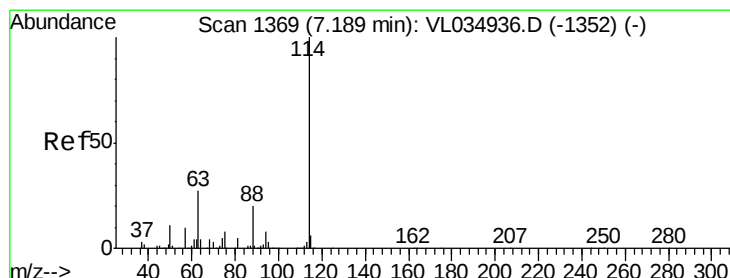
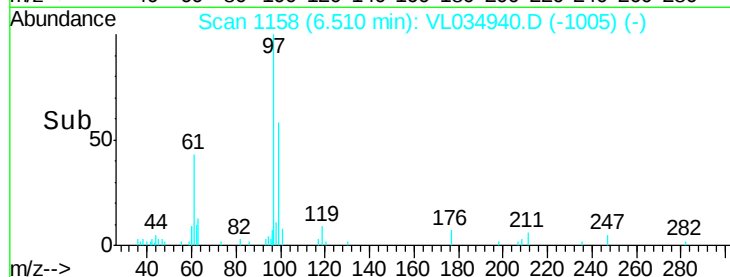
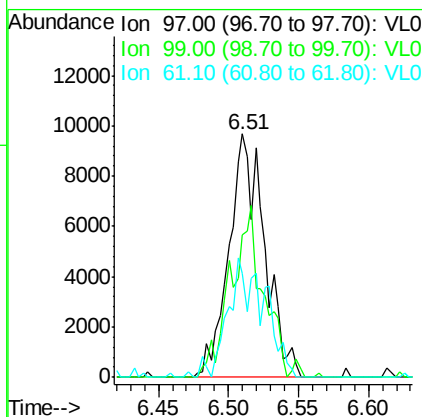
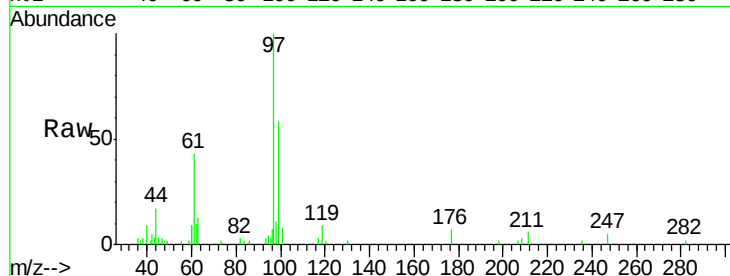
ClientSampleId :

VSTDIC0.1

Tot Ion:	97	Resp:	17168
Ion Ratio	Lower	Upper	
97	100		
99	0.0	52.1	78.1#
61	50.9	41.8	62.8

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

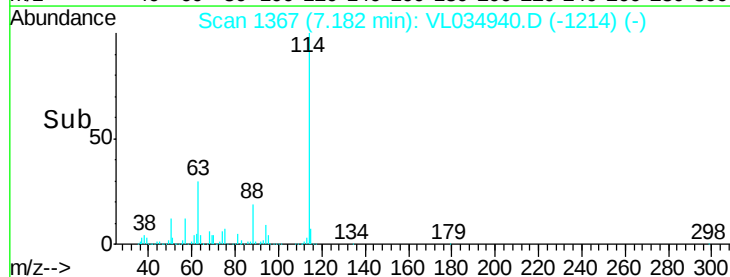
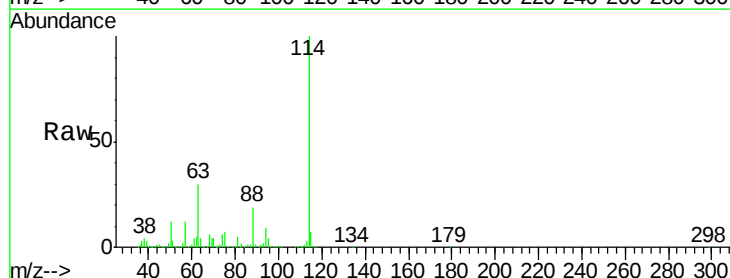
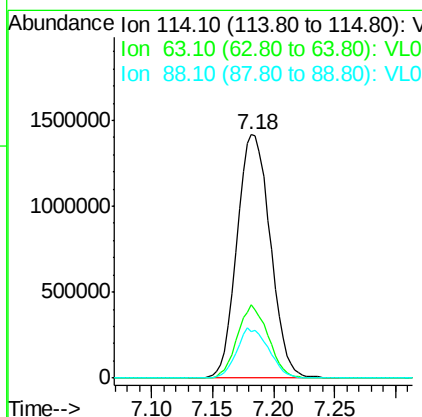
RT: 7.18 min Scan# 1367

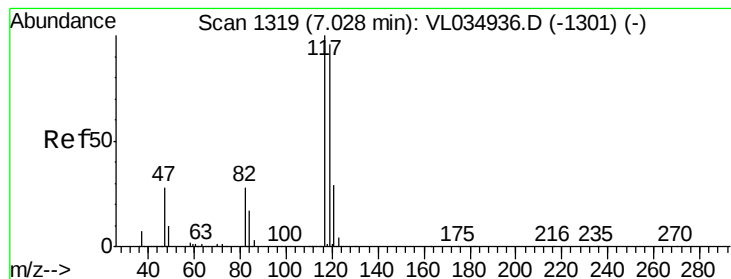
Delta R.T. -0.01 min

Lab File: VL034940.D

Acq: 6 May 2020 12:42

Tgt Ion:	114	Resp:	2671347
Ion Ratio	Lower	Upper	
114	100		
63	27.9	22.2	33.4
88	19.7	15.5	23.3





#35

Carbon Tetrachloride

Concen: 0.098 ppbv m

RT: 7.02 min Scan# 1318

Delta R.T. -0.00 min

Lab File: VL034940.D

Acq: 6 May 2020 12:42

Instrument :

MSVOA_L

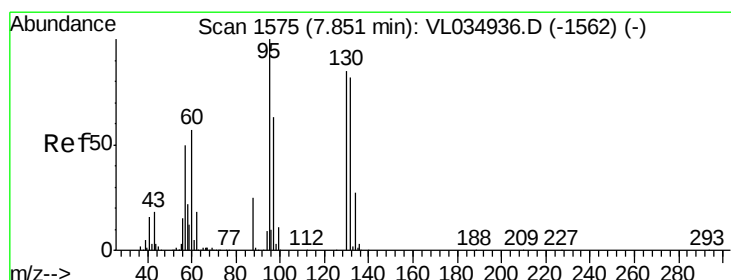
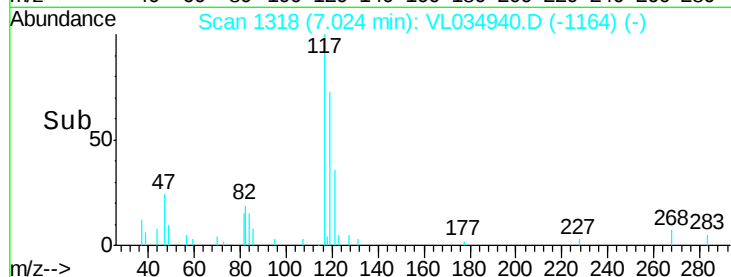
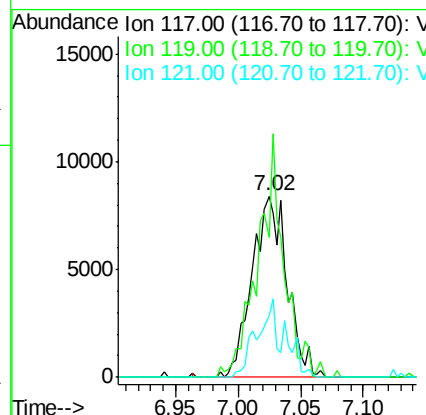
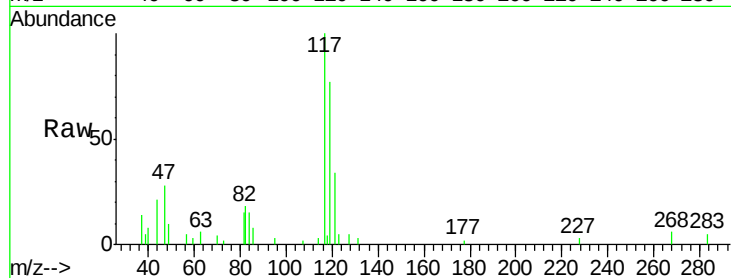
ClientSampleId :

VSTDIC0.1

Tot Ion:	117	Resp:	16282
Ion Ratio	Lower	Upper	
117	100		
119	77.4	77.0	115.6
121	34.5	23.0	34.6

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#38

Trichloroethene

Concen: 0.083 ppbv m

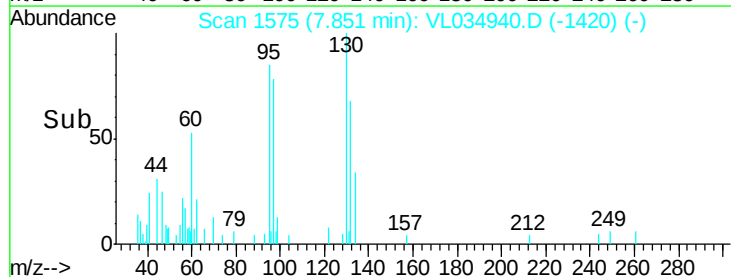
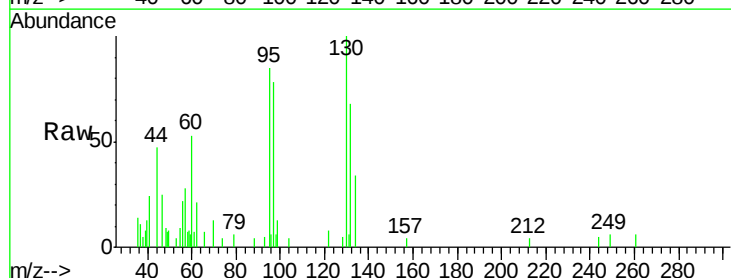
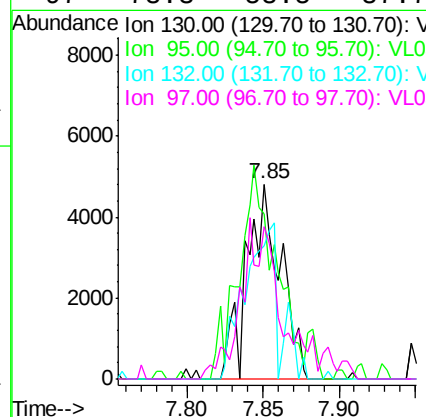
RT: 7.85 min Scan# 1575

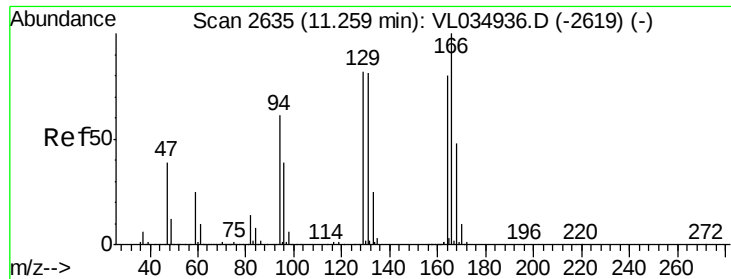
Delta R.T. -0.00 min

Lab File: VL034940.D

Acq: 6 May 2020 12:42

Tgt Ion:	130	Resp:	7491
Ion Ratio	Lower	Upper	
130	100		
95	84.5	93.4	140.0#
132	68.4	76.4	114.6#
97	78.3	58.5	87.7





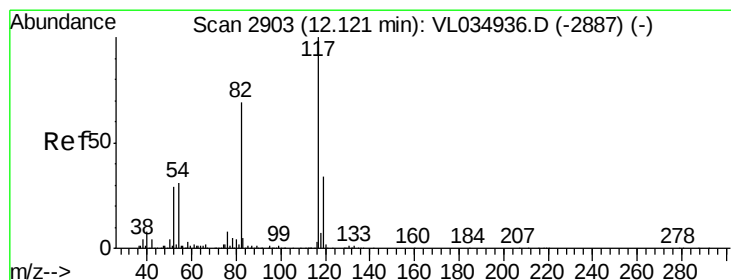
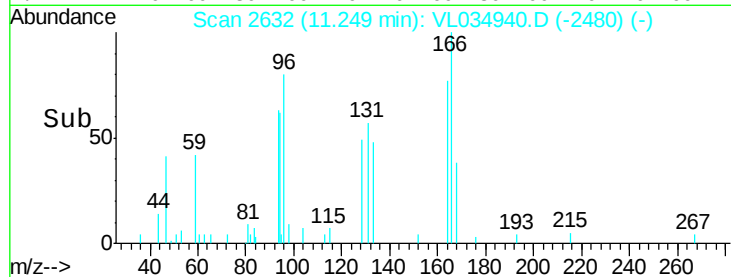
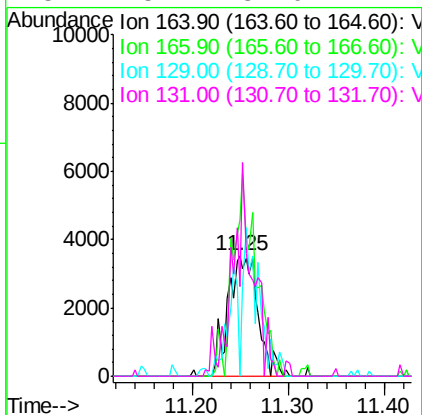
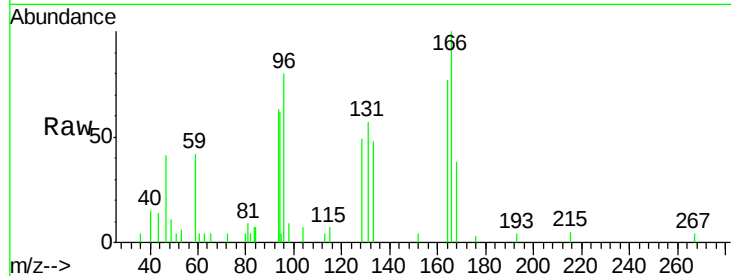
#52
Tetrachloroethene
Concen: 0.082 ppbv m
RT: 11.25 min Scan# 2632
Delta R.T. -0.01 min
Lab File: VL034940.D
Acq: 6 May 2020 12:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.8	100.7	151.1
129	0.0	83.0	124.4#
131	73.7	81.0	121.4#

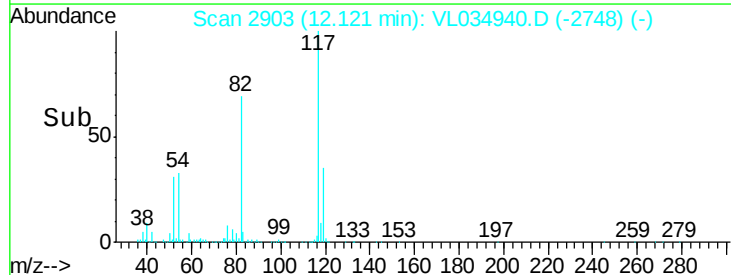
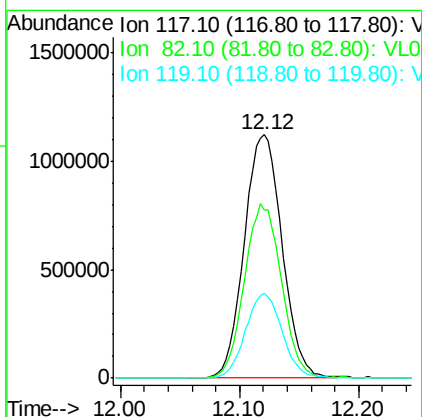
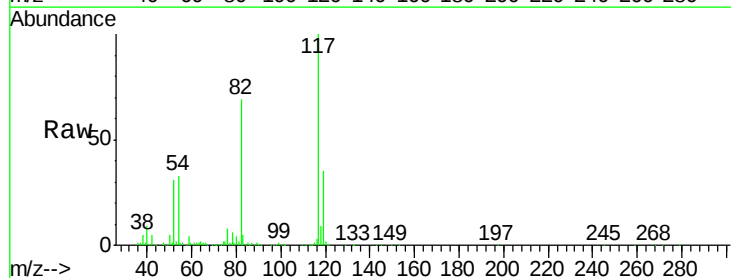
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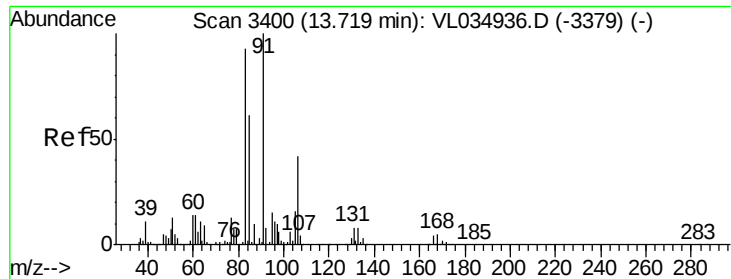
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. -0.00 min
Lab File: VL034940.D
Acq: 6 May 2020 12:42

Tgt Ion	Ratio	Lower	Upper
117	100		
82	70.4	53.1	79.7
119	33.8	26.7	40.1





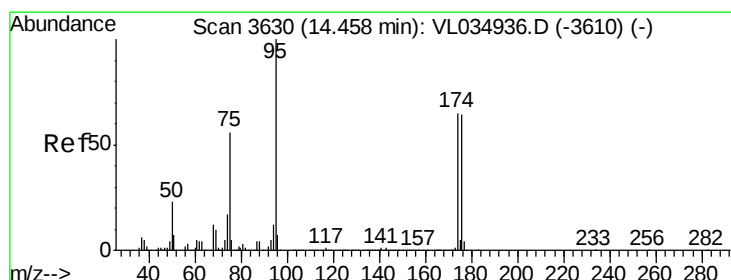
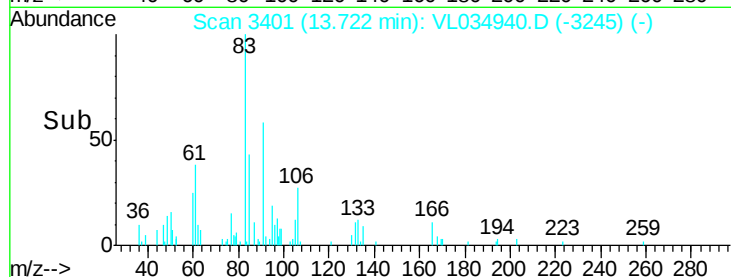
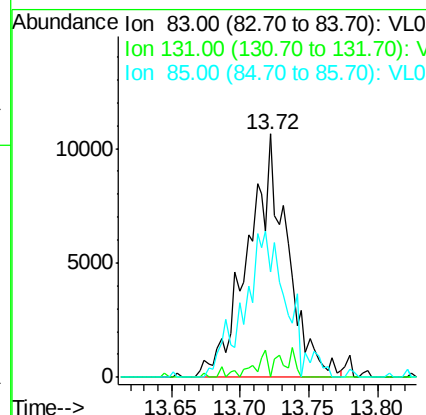
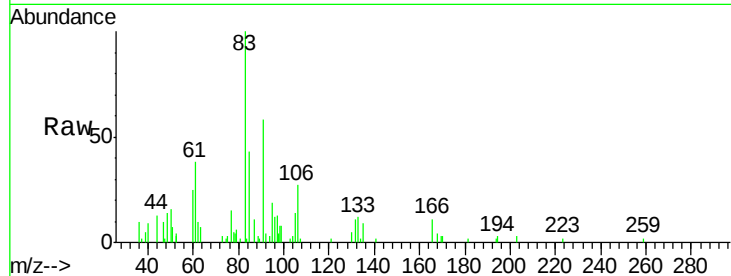
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.114 ppbv m
 RT: 13.72 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VL034940.D
 Acq: 6 May 2020 12:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.7	14.0#
85	64.9	32.5	97.4

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.806 ppbv
 RT: 14.46 min Scan# 3630
 Delta R.T. -0.00 min
 Lab File: VL034940.D
 Acq: 6 May 2020 12:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	64.4	51.5	77.3
175	4.6	3.8	5.8

