

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022620\
 Data File : VL034680.D
 Acq On : 26 Feb 2020 5:00
 Operator : SY/AP
 Sample : VSTDIC0.1
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Manual Integrations
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 2/27/2020 5:19:27 PM

Quant Time: Feb 26 06:43:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 26 2020
 QLast Update : Wed Feb 26 03:37:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1112034	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2279889	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2230809	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1857573	10.14	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.23	62	6275	0.083	ppbv	90
32) 1,1,1-Trichloroethane	6.52	97	14505	0.086	ppbv #	85
35) Carbon Tetrachloride	7.02	117	15016m	0.086	ppbv	
38) Trichloroethene	7.85	130	7671m	0.094	ppbv	
52) Tetrachloroethene	11.26	164	7187m	0.095	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.72	83	17918m	0.087	ppbv	

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

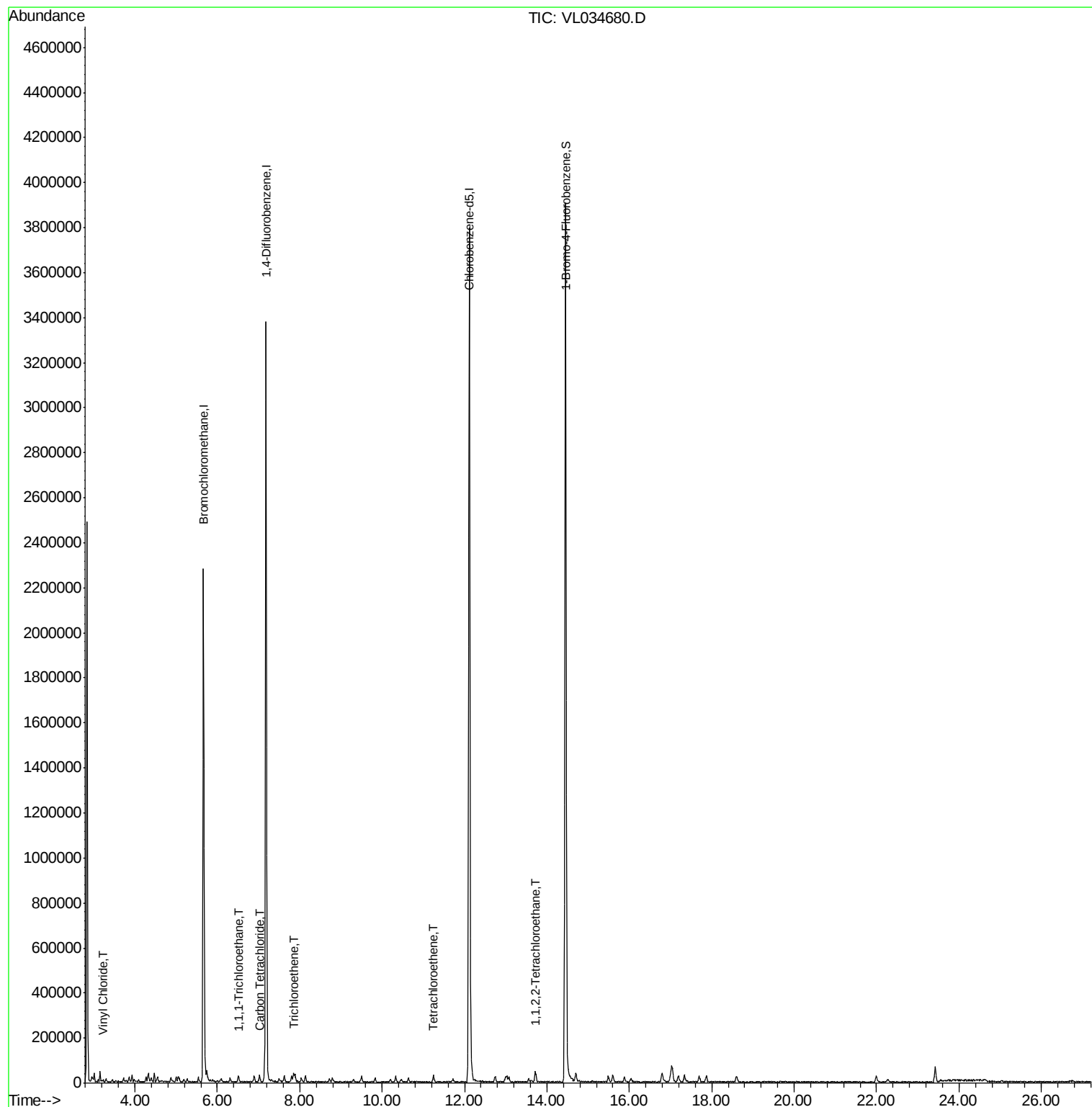
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL022620\
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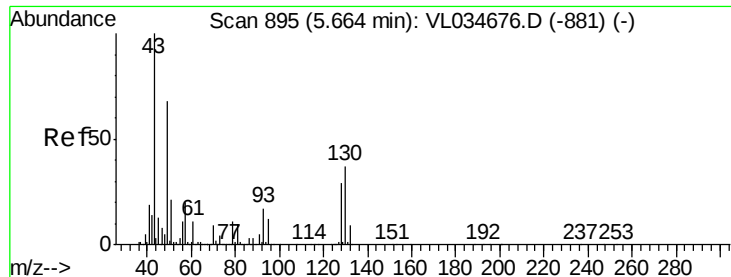
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

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Quant Time: Feb 26 06:43:12 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb
QLast Update : Wed Feb 26 03:37:46 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: VL034680.D

Acq: 26 Feb 2020 5:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion: 49 Resp: 1112034

Ion Ratio Lower Upper

49 100

128 43.0 21.6 65.0

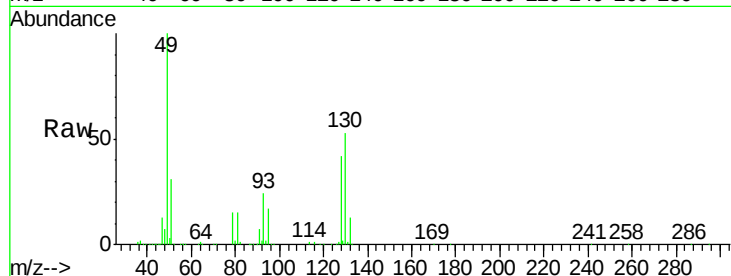
130 55.1 27.7 83.1

Manual Integrations

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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

800000

600000

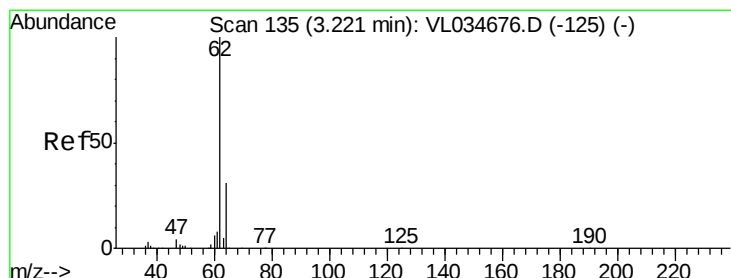
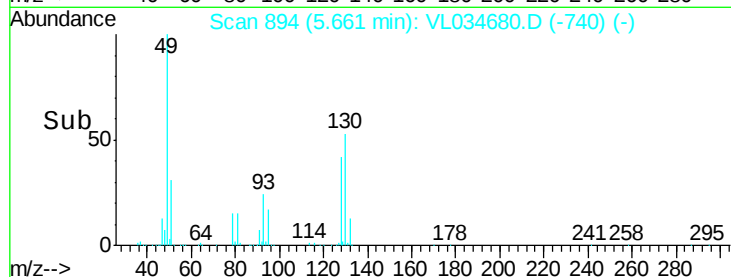
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#5

Vinyl Chloride

Concen: 0.083 ppbv

RT: 3.23 min Scan# 137

Delta R.T. 0.01 min

Lab File: VL034680.D

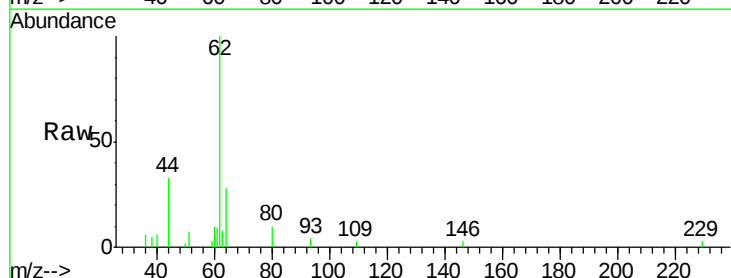
Acq: 26 Feb 2020 5:00

Tgt Ion: 62 Resp: 6275

Ion Ratio Lower Upper

62 100

64 25.7 24.7 37.1



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

6000

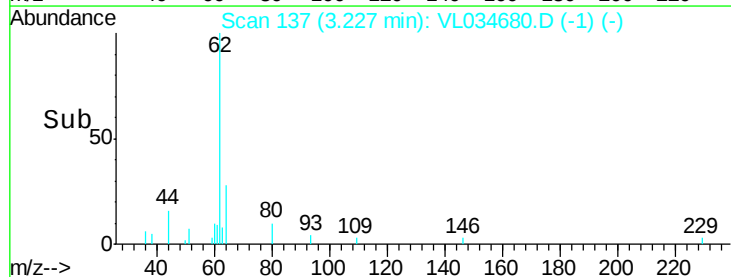
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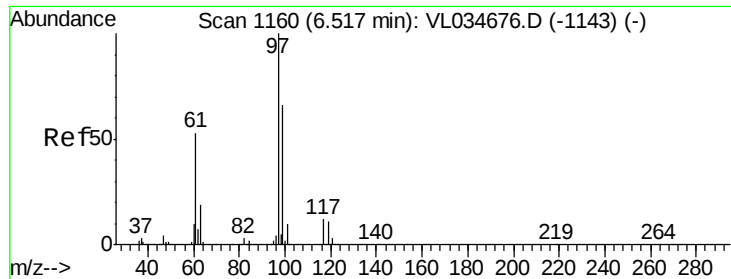
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0

3.20 3.22 3.24

Time-->





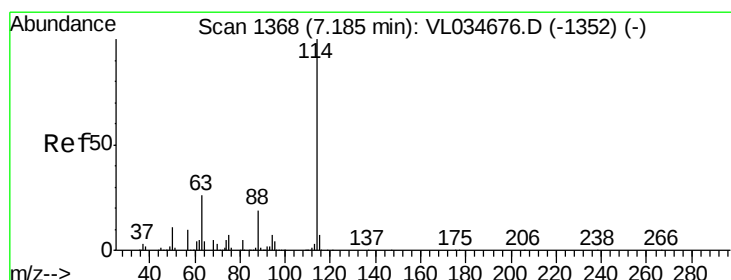
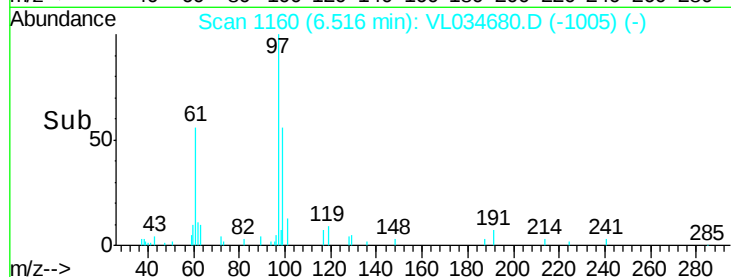
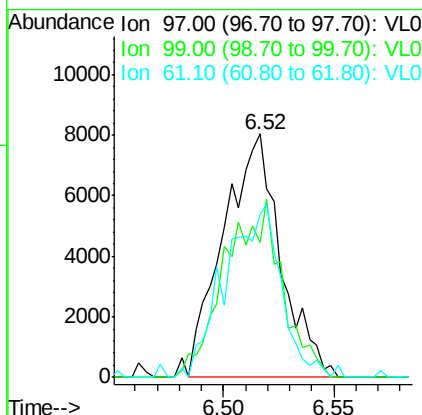
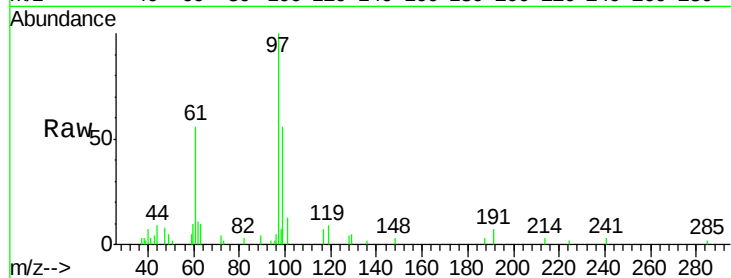
#32
 1,1,1-Trichloroethane
 Concen: 0.086 ppbv
 RT: 6.52 min Scan# 1160
 Delta R.T. -0.00 min
 Lab File: VL034680.D
 Acq: 26 Feb 2020 5:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
97	100		
99	72.4	52.3	78.5
61	70.0	42.8	64.2

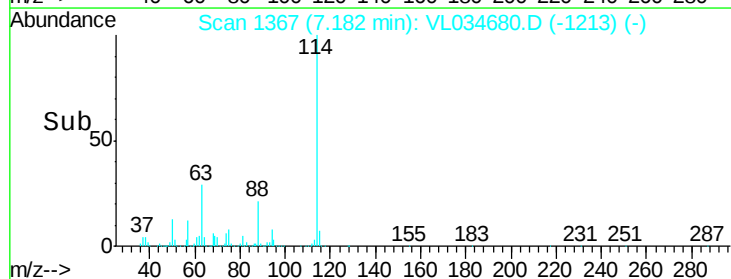
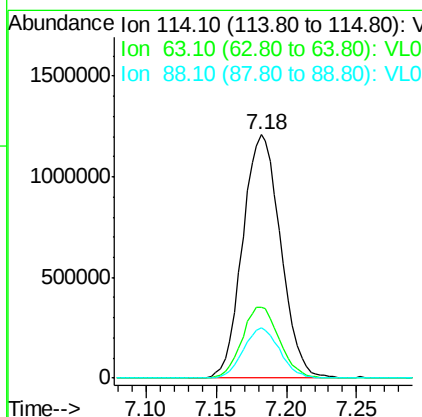
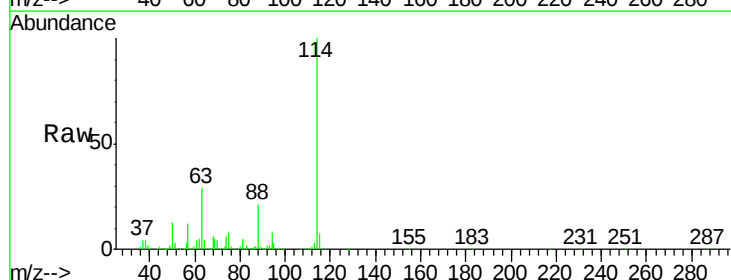
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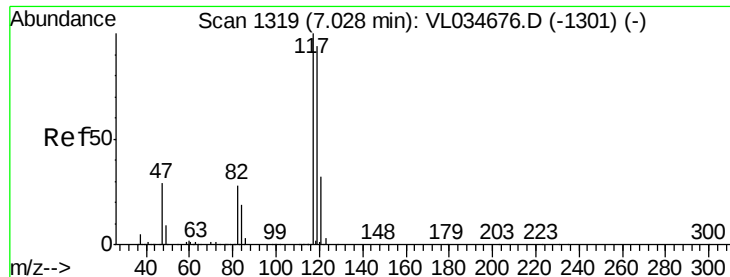
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#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VL034680.D
 Acq: 26 Feb 2020 5:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	28.8	22.9	34.3
88	19.9	15.8	23.6





#35

Carbon Tetrachloride

Concen: 0.086 ppbv m

RT: 7.02 min Scan# 1318

Delta R.T. -0.00 min

Lab File: VL034680.D

Acq: 26 Feb 2020 5:00

Instrument :

MSVOA_L

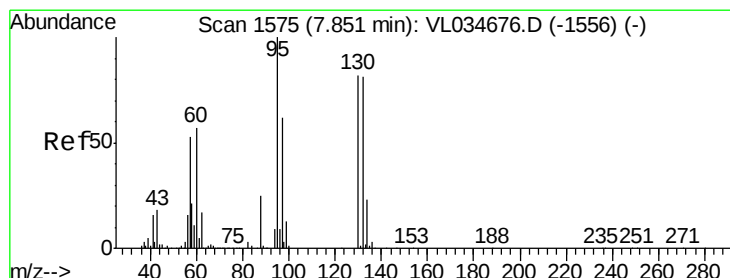
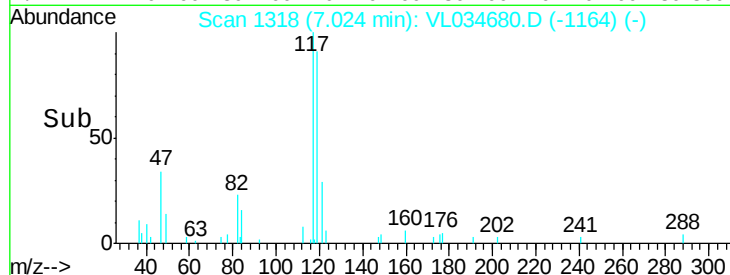
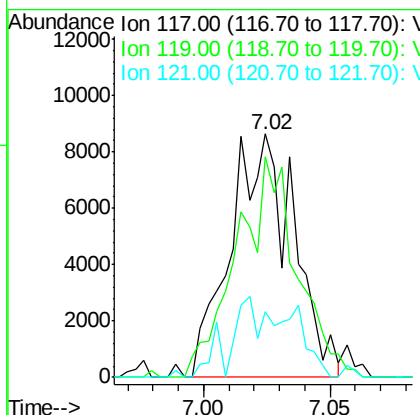
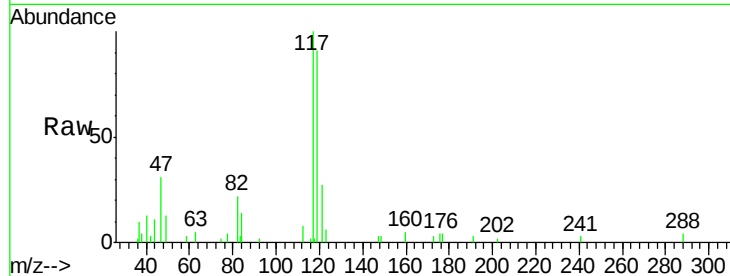
ClientSampleId :

VSTDIC0.1

Tot Ion:	117	Resp:	15016
Ion Ratio	Lower	Upper	
117	100		
119	90.8	75.5	113.3
121	26.8	25.4	38.0

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#38

Trichloroethene

Concen: 0.094 ppbv m

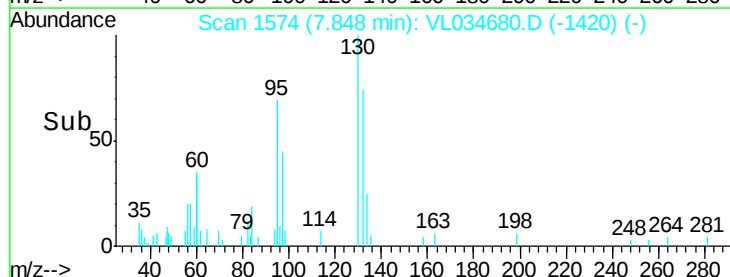
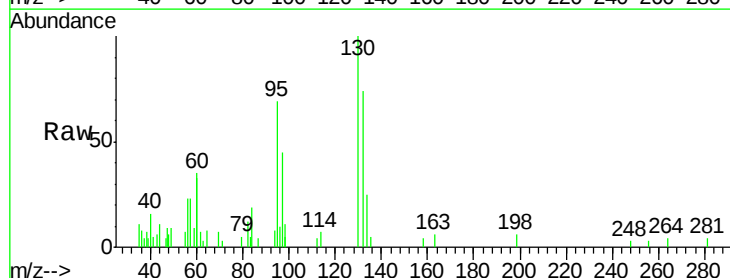
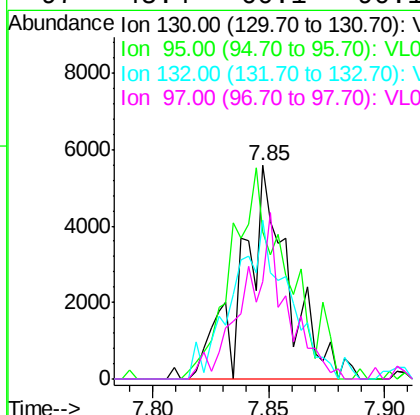
RT: 7.85 min Scan# 1574

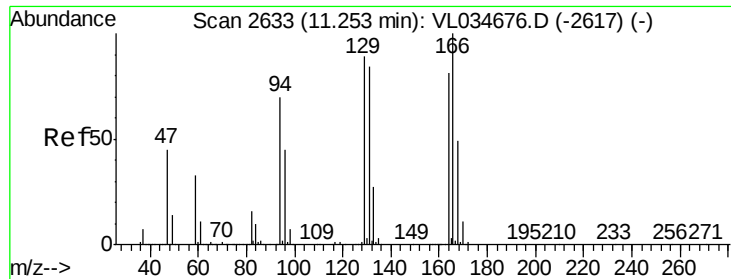
Delta R.T. -0.00 min

Lab File: VL034680.D

Acq: 26 Feb 2020 5:00

Tgt Ion:	130	Resp:	7671
Ion Ratio	Lower	Upper	
130	100		
95	69.2	97.1	145.7#
132	74.1	78.3	117.5#
97	45.4	60.1	90.1#





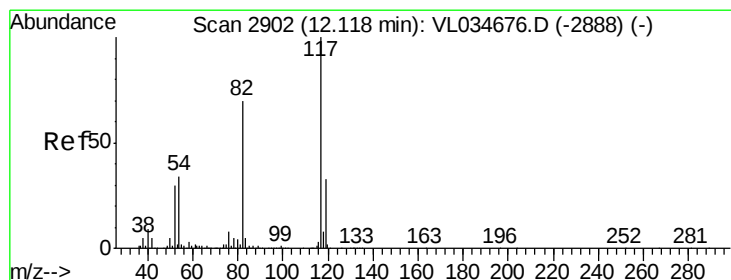
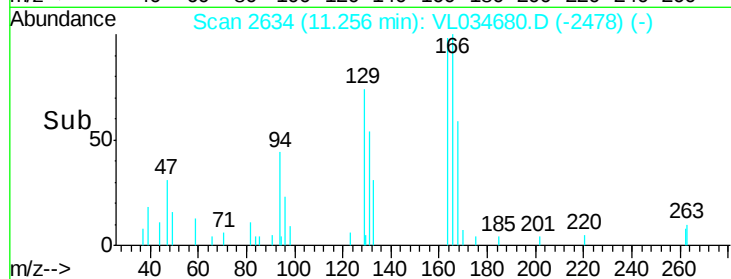
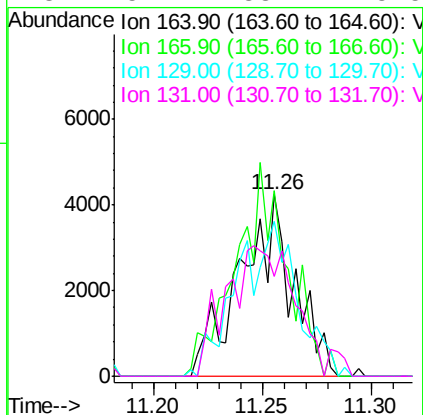
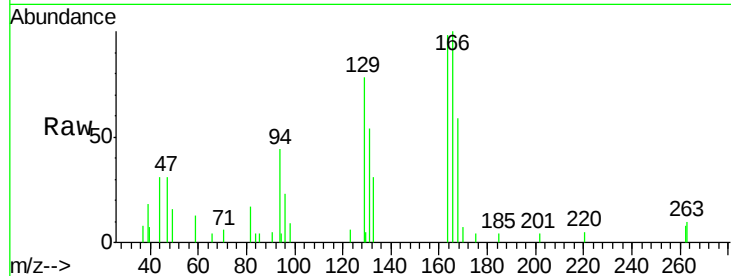
#52
Tetrachloroethene
Concen: 0.095 ppbv m
RT: 11.26 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VL034680.D
Acq: 26 Feb 2020 5:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
164	100		
166	102.0	99.2	148.8
129	79.9	88.0	132.0#
131	54.7	83.7	125.5#

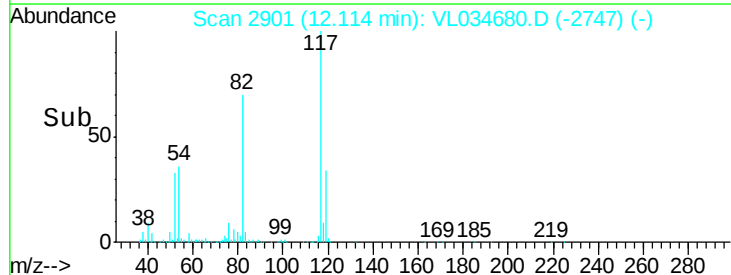
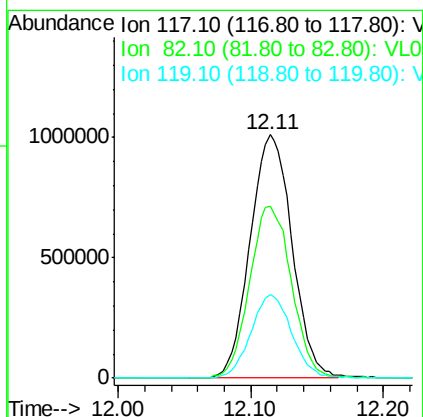
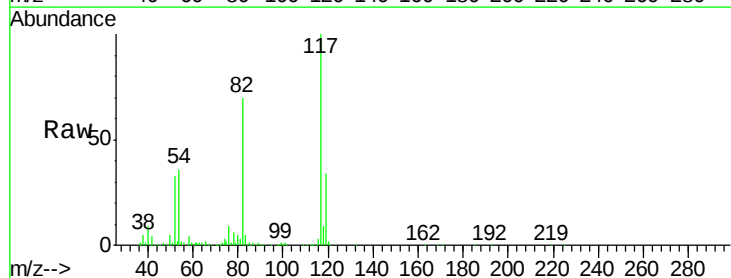
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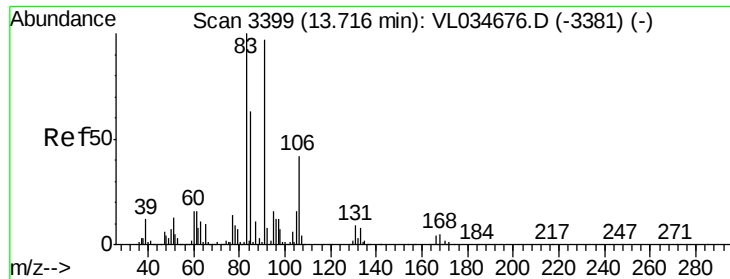
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.00 min
Lab File: VL034680.D
Acq: 26 Feb 2020 5:00

Tgt Ion	Ratio	Lower	Upper
117	100		
82	70.8	54.1	81.1
119	33.6	27.6	41.4





#63

1,1,2,2-Tetrachloroethane

Concen: 0.087 ppbv m

RT: 13.72 min Scan# 3401

Delta R.T. 0.01 min

Lab File: VL034680.D

Acq: 26 Feb 2020 5:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion: 83 Resp: 17918
Ion Ratio Lower Upper

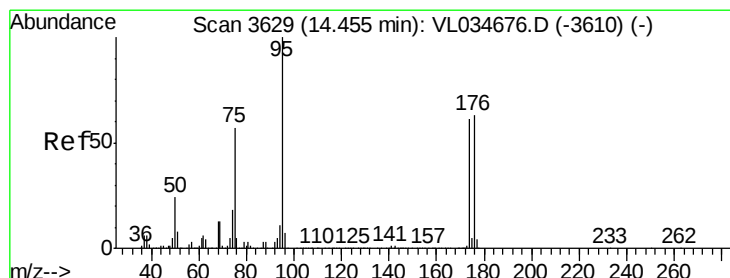
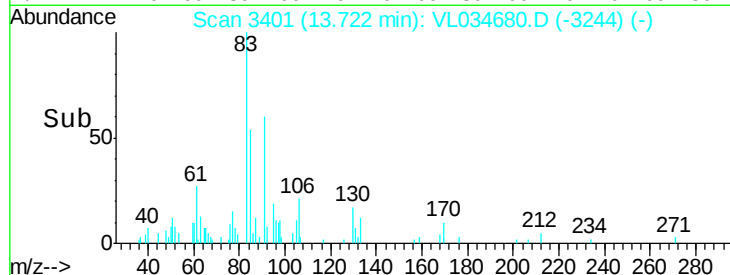
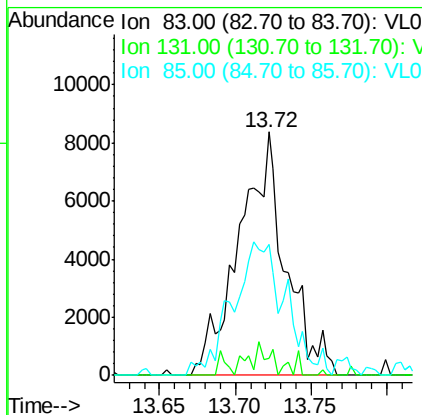
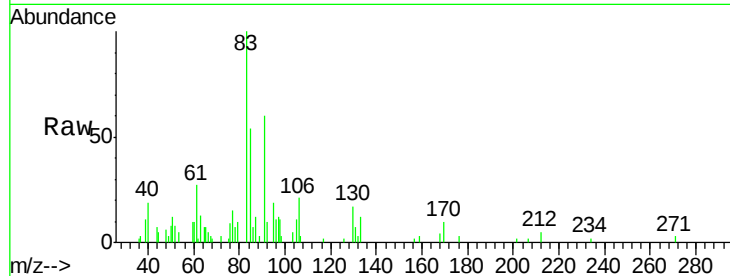
83 100

131 0.0 4.4 13.2#

85 62.4 32.5 97.5

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 10.145 ppbv

RT: 14.46 min Scan# 3629

Delta R.T. -0.00 min

Lab File: VL034680.D

Acq: 26 Feb 2020 5:00

Tgt Ion: 95 Resp: 1857573
Ion Ratio Lower Upper

95 100

174 64.5 50.7 76.1

175 4.7 3.9 5.9

