

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL053118\
 Data File : VL032021.D
 Acq On : 31 May 2018 19:23
 Operator : SY/AP
 Sample : VSTDICC0.03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Manual Integrations
 APPROVED

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 6/4/2018 10:54:58 AM

Quant Time: Jun 01 02:28:13 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL053118AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 01 02:28:13 2018
 QLast Update : Fri Jun 01 01:58:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.86	49	1389112	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.40	114	2428370	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.36	117	2438527	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.70	95	1903914	10.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.37	62	2244m	0.03	ppbv	
32) 1,1,1-Trichloroethane	6.73	97	7419m	0.03	ppbv	
35) Carbon Tetrachloride	7.25	117	7674m	0.04	ppbv	
38) Trichloroethene	8.08	130	2306m	0.03	ppbv	
52) Tetrachloroethene	11.50	164	2843m	0.03	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.96	83	8615m	0.04	ppbv	

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

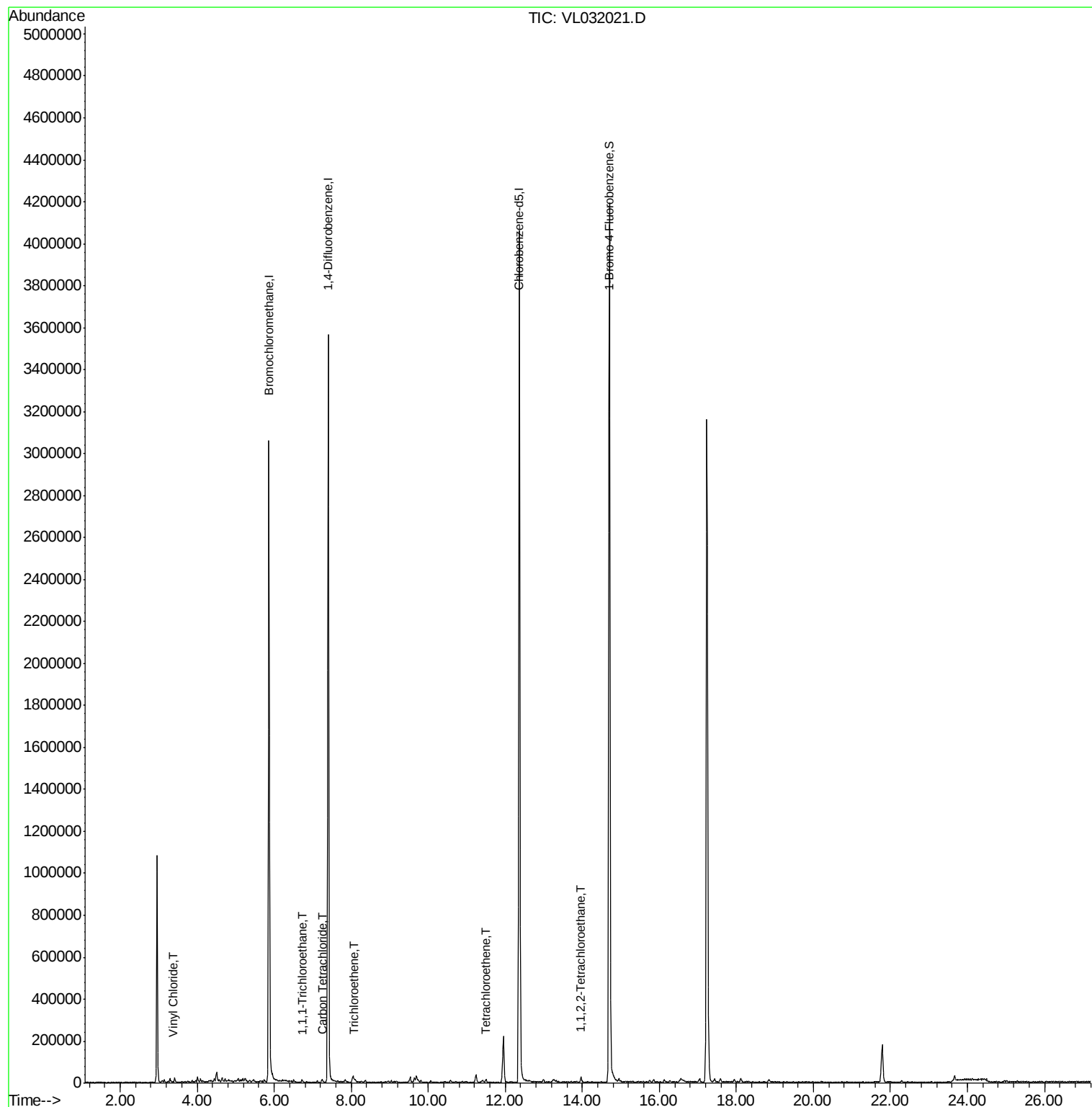
Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL053118\
Data File : VL032021.D
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Operator : SY/AP
Sample : VSTDICC0.03
Misc : 400ml/MSVOA L
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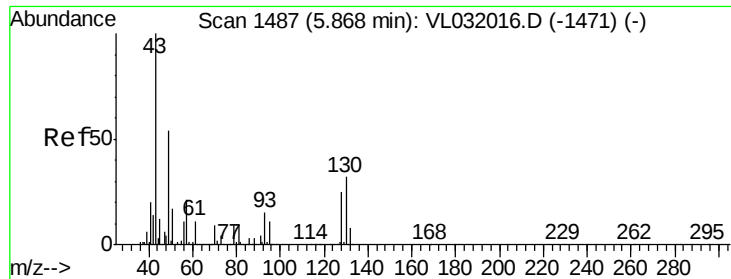
Instrument :
MSVOA_L
ClientSampleId :
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Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL053118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun
QLast Update : Fri Jun 01 01:58:27 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.86 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VL032021.D

Acq: 31 May 2018 19:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tot Ion: 49 Resp: 1389112

Ion Ratio Lower Upper

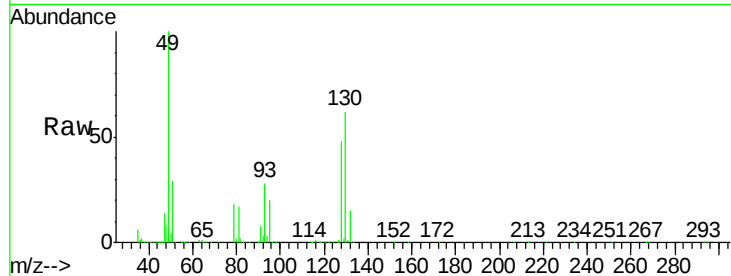
49 100

128 49.0 24.1 72.3

130 63.2 30.9 92.8

Manual Integrations
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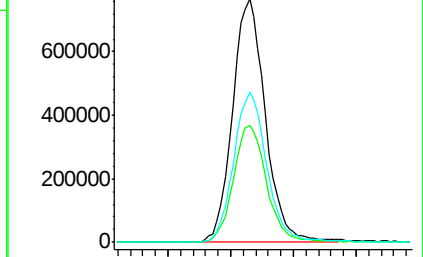
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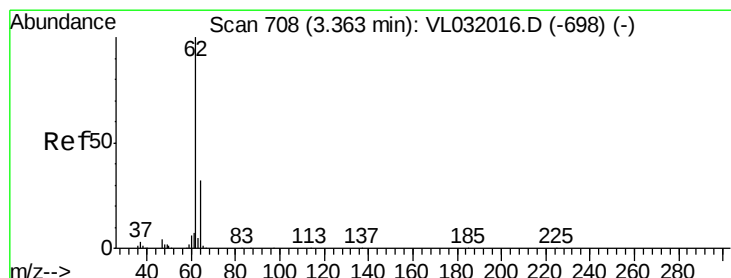
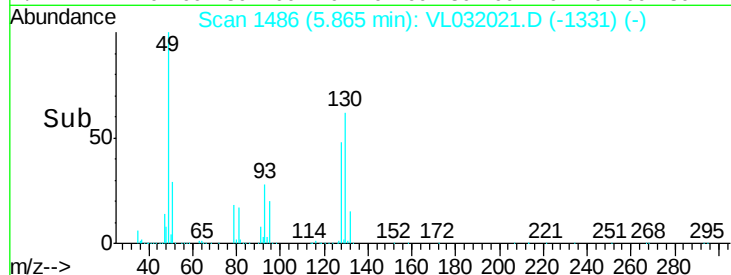
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



Time-->



#5

Vinyl Chloride

Concen: 0.03 ppbv m

RT: 3.37 min Scan# 709

Delta R.T. 0.00 min

Lab File: VL032021.D

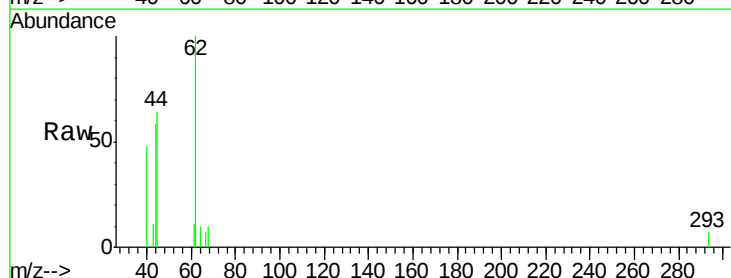
Acq: 31 May 2018 19:23

Tgt Ion: 62 Resp: 2244

Ion Ratio Lower Upper

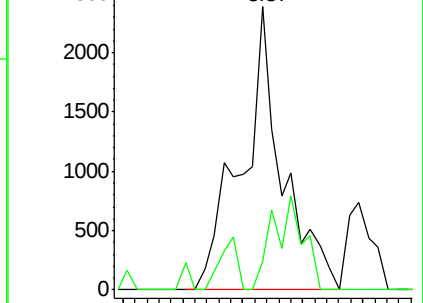
62 100

64 9.9 25.2 37.8#

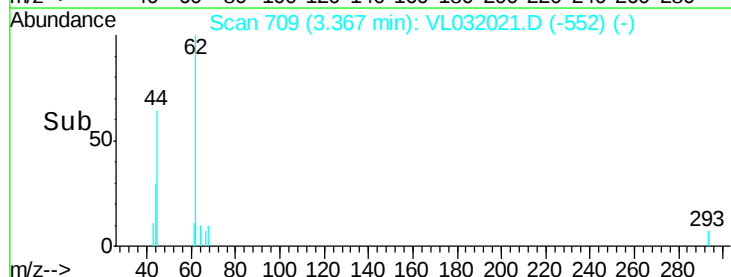


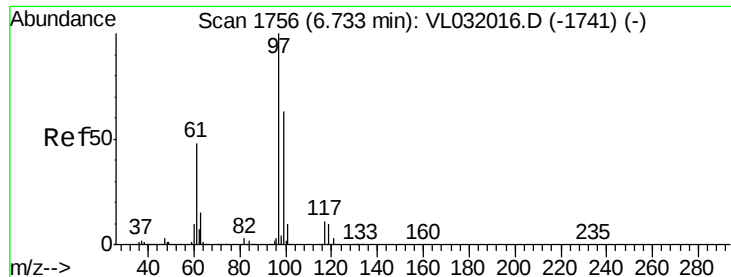
Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



Time-->





#32

1,1,1-Trichloroethane

Concen: 0.03 ppbv m

RT: 6.73 min Scan# 1754

Delta R.T. -0.01 min

Lab File: VL032021.D

Acq: 31 May 2018 19:23

Instrument :

MSVOA_L

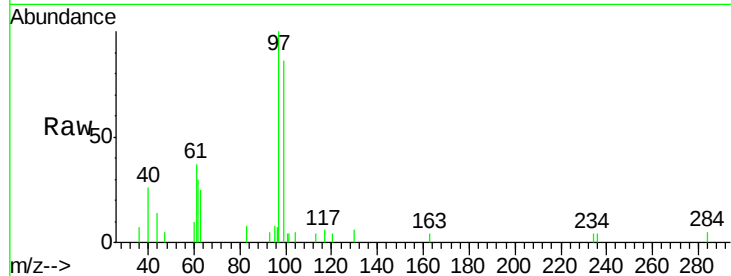
ClientSampleId :

VSTDIC0.03

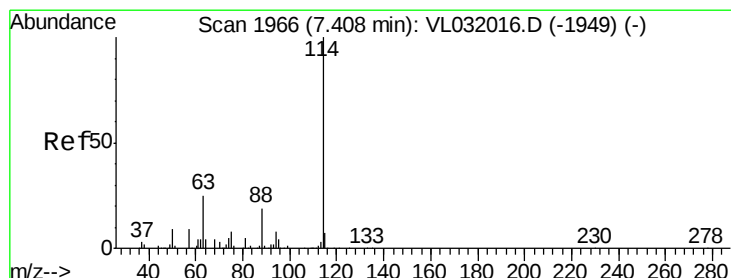
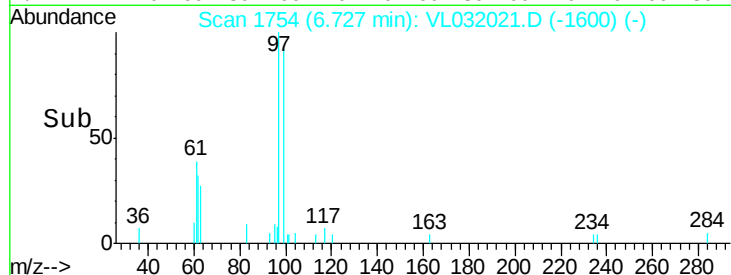
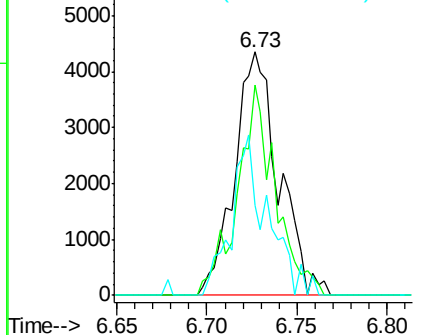
Tot Ion:	97	Resp:	7419
Ion	Ratio	Lower	Upper
97	100		
99	73.9	51.5	77.3
61	53.8	39.4	59.2

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Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

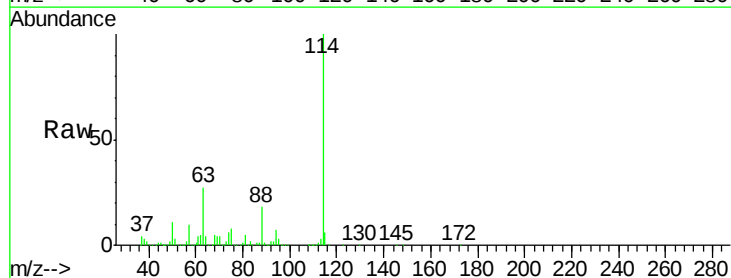
RT: 7.40 min Scan# 1964

Delta R.T. -0.01 min

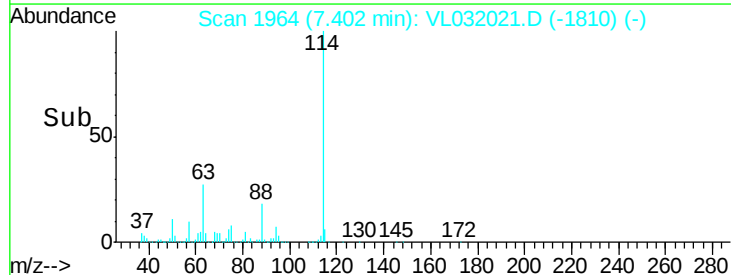
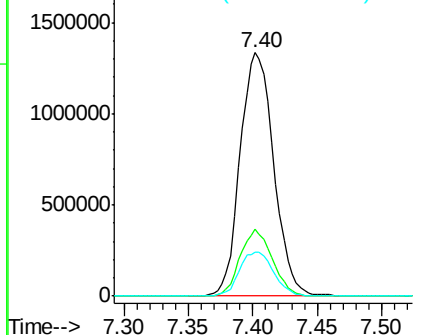
Lab File: VL032021.D

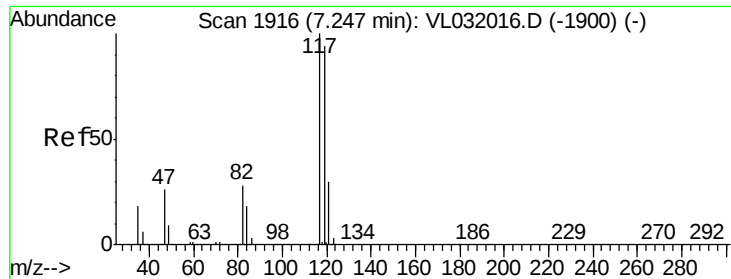
Acq: 31 May 2018 19:23

Tgt Ion:	114	Resp:	2428370
Ion	Ratio	Lower	Upper
114	100		
63	26.5	21.1	31.7
88	18.5	14.8	22.2



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





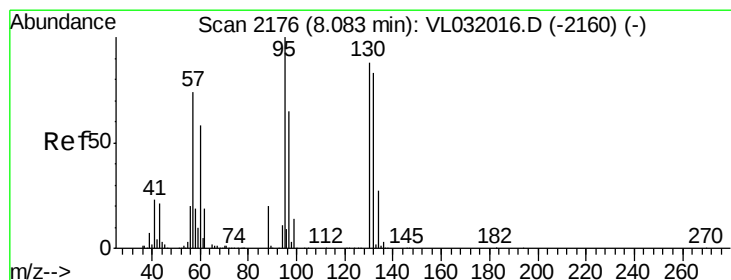
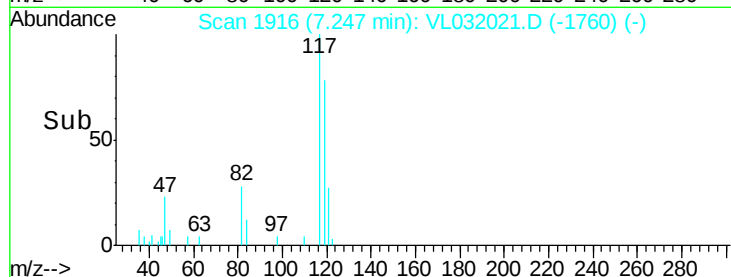
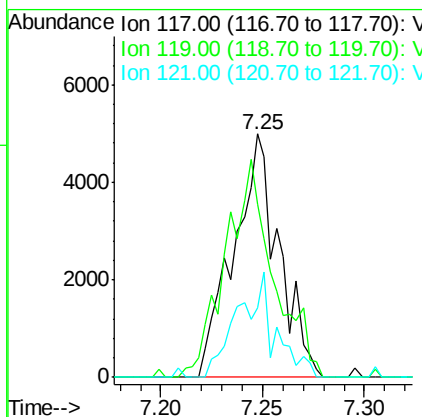
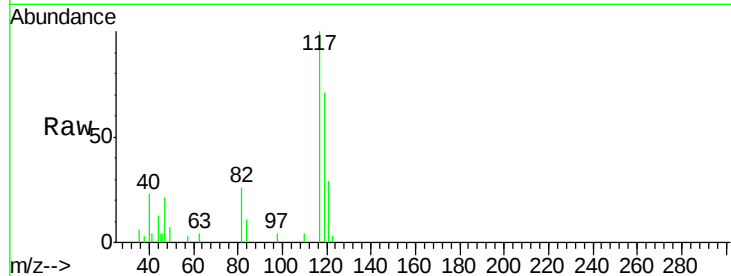
#35
Carbon Tetrachloride
Concen: 0.04 ppbv m
RT: 7.25 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VL032021.D
Acq: 31 May 2018 19:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
117	100		
119	71.3	75.3	112.9#
121	28.8	24.1	36.1

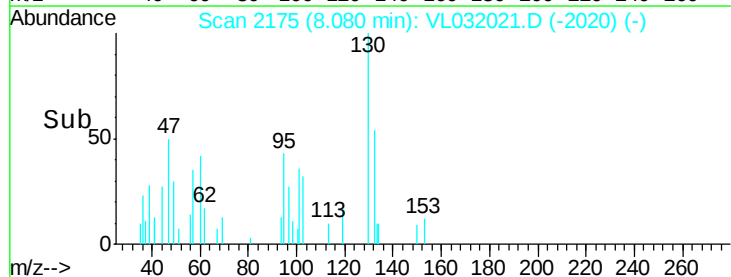
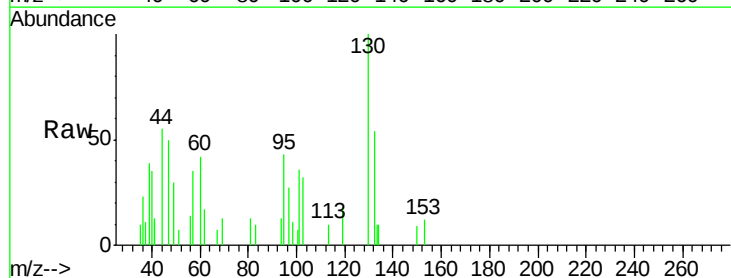
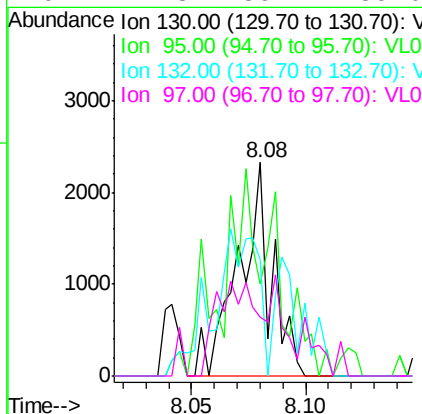
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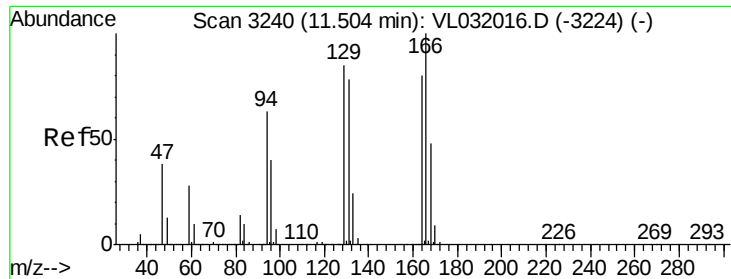
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#38
Trichloroethene
Concen: 0.03 ppbv m
RT: 8.08 min Scan# 2175
Delta R.T. -0.00 min
Lab File: VL032021.D
Acq: 31 May 2018 19:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	43.0	90.7	136.1#
132	54.4	75.6	113.4#
97	27.3	59.4	89.0#





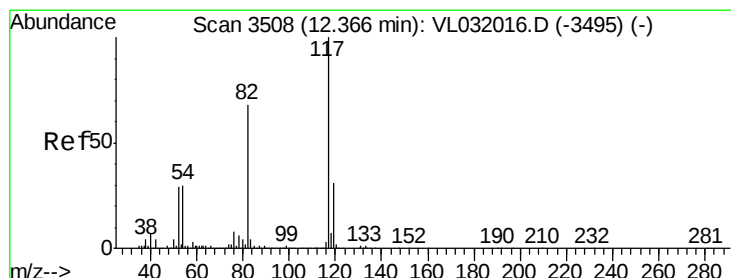
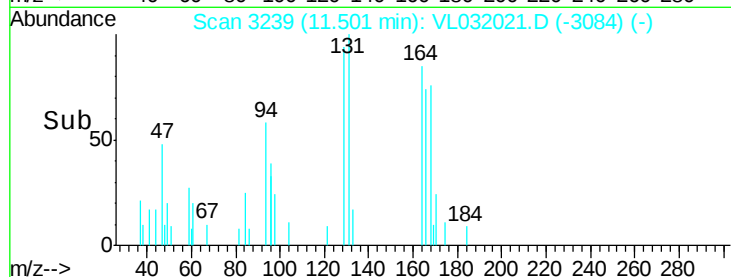
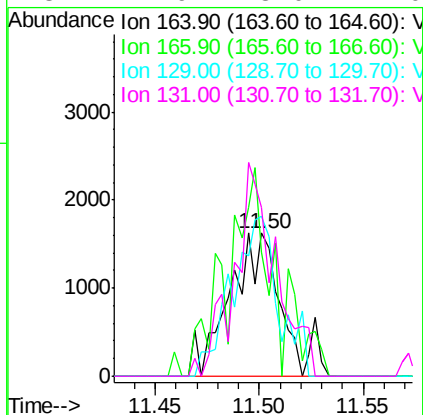
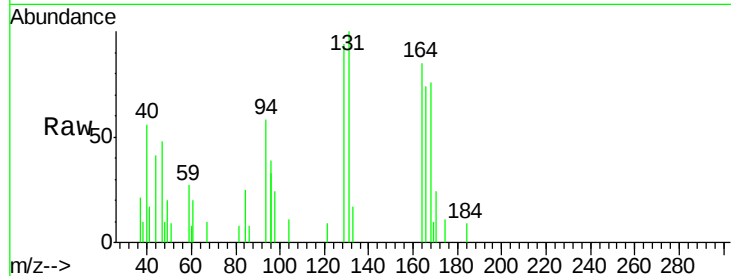
#52
Tetrachloroethene
Concen: 0.03 ppbv m
RT: 11.50 min Scan# 3239
Delta R.T. -0.00 min
Lab File: VL032021.D
Acq: 31 May 2018 19:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
164	100		
166	86.8	100.2	150.2#
129	111.3	85.4	128.0
131	117.9	78.0	117.0#

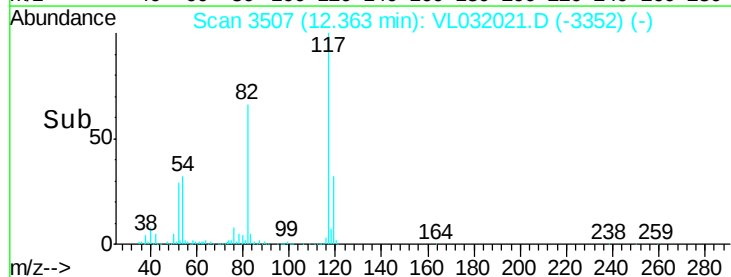
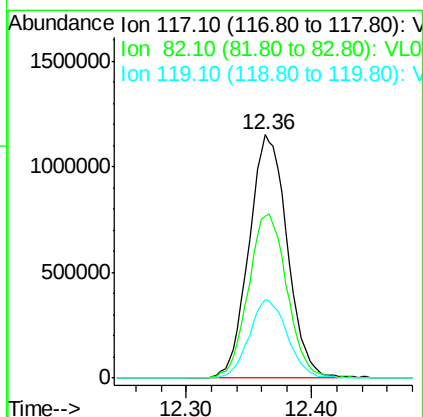
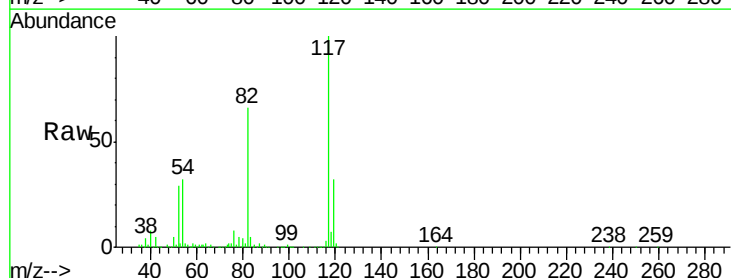
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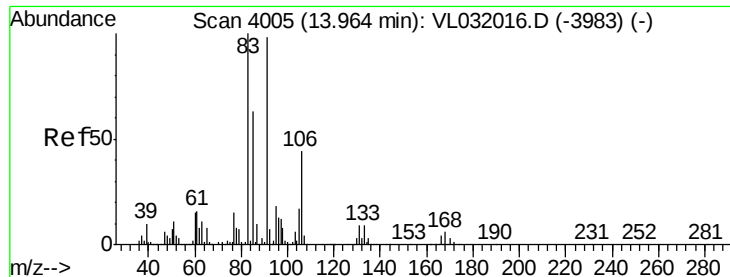
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#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.36 min Scan# 3507
Delta R.T. -0.00 min
Lab File: VL032021.D
Acq: 31 May 2018 19:23

Tgt Ion	Ratio	Lower	Upper
117	100		
82	68.6	52.7	79.1
119	32.4	25.5	38.3





#63

1,1,2,2-Tetrachloroethane

Concen: 0.04 ppbv m

RT: 13.96 min Scan# 4004

Delta R.T. -0.00 min

Lab File: VL032021.D

Acq: 31 May 2018 19:23

Instrument :

MSVOA_L

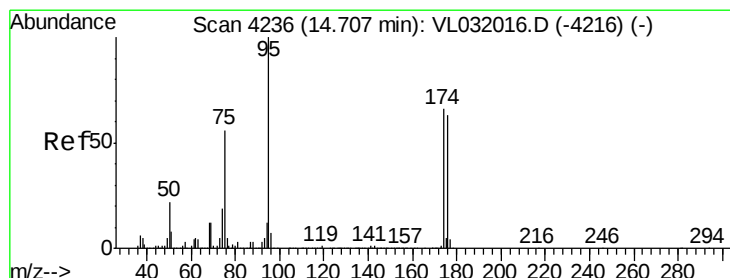
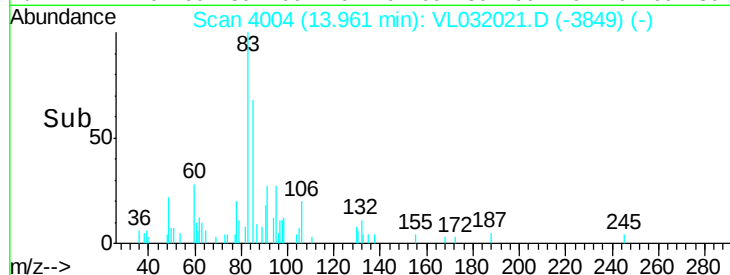
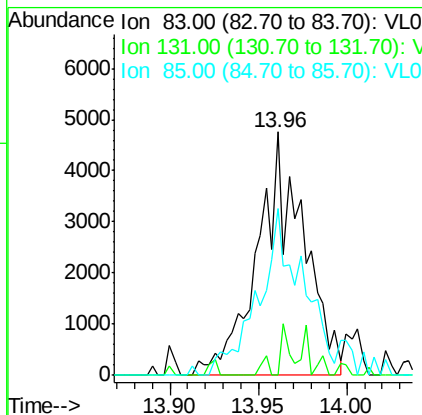
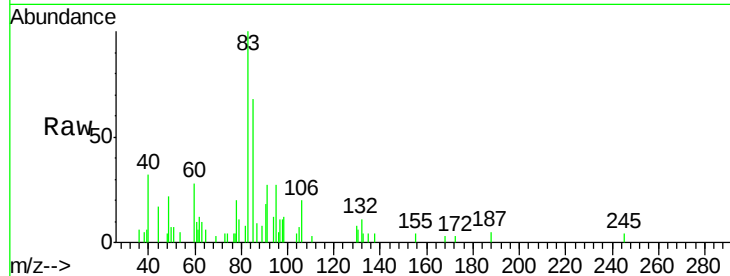
ClientSampleId :

VSTDIC0.03

Tot Ion	83	Resp	8615
Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.7	14.0#
85	72.2	32.2	96.6

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.05 ppbv

RT: 14.70 min Scan# 4235

Delta R.T. -0.00 min

Lab File: VL032021.D

Acq: 31 May 2018 19:23

Tgt Ion	95	Resp	1903914
Ion	Ratio	Lower	Upper
95	100		
174	66.5	53.2	79.8
175	4.8	3.7	5.5

