

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL050318\
 Data File : VL031964.D
 Acq On : 3 May 2018 14:01
 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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 5/4/2018 5:01:00 PM

Quant Time: May 03 14:32:56 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL050318AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 03 14:32:56 2018
 QLast Update : Thu May 03 12:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.88	49	1283976	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.42	114	2649679	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	2589676	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.72	95	2093885	10.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.38	62	6822m	0.08	ppbv	
32) 1,1,1-Trichloroethane	6.75	97	19457	0.08	ppbv #	91
35) Carbon Tetrachloride	7.27	117	19842m	0.09	ppbv	
38) Trichloroethene	8.10	130	8564m	0.09	ppbv	
52) Tetrachloroethene	11.51	164	9477m	0.10	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.98	83	21810m	0.09	ppbv	

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

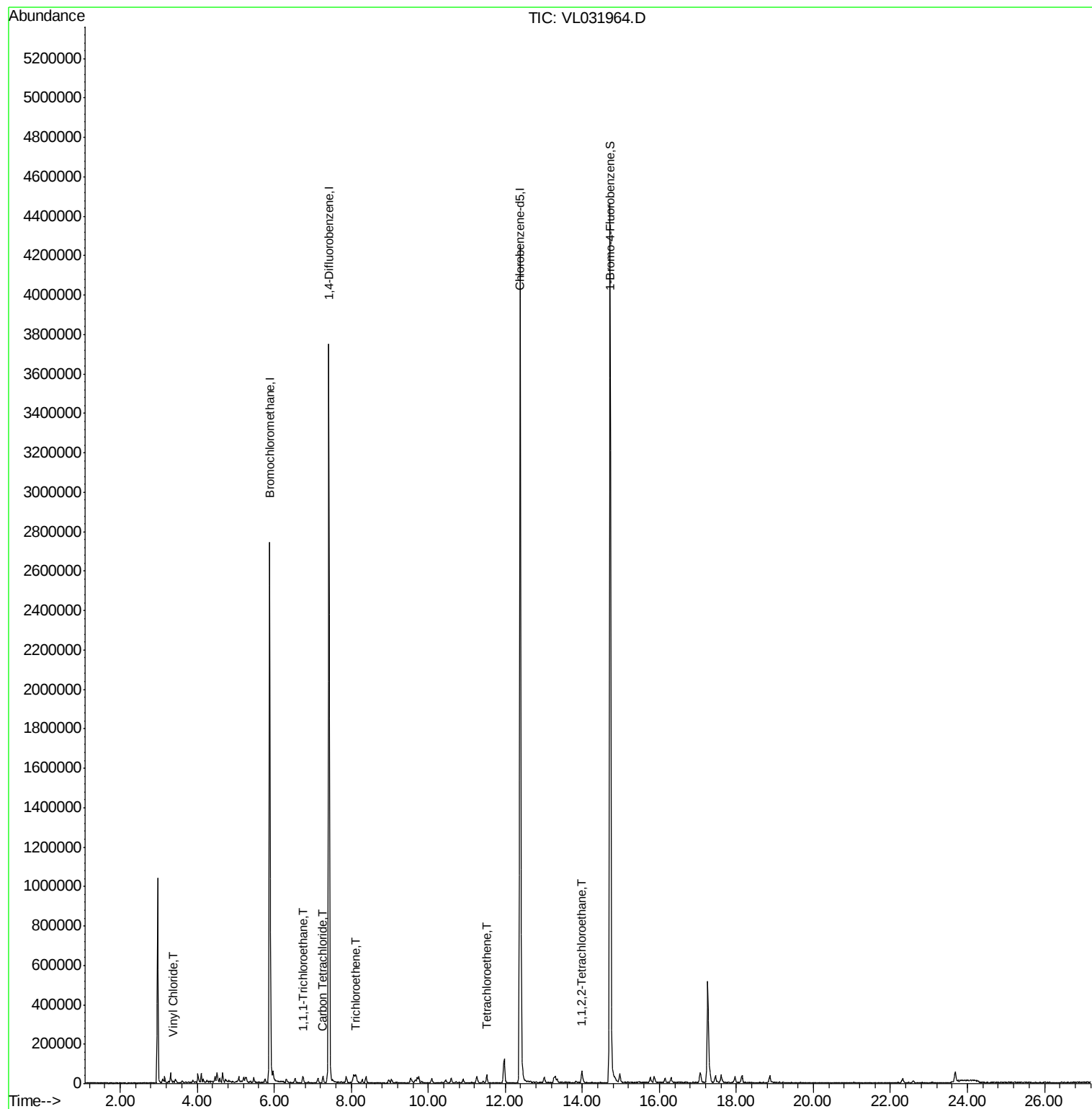
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL050318\
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Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

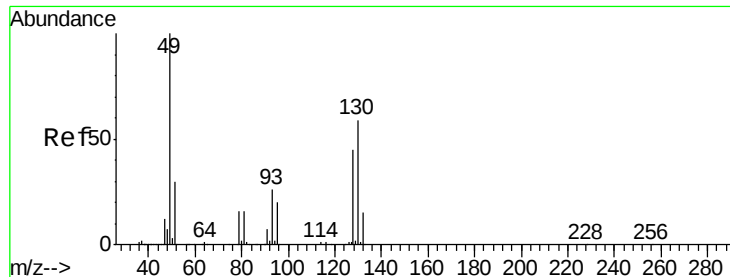
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

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#1

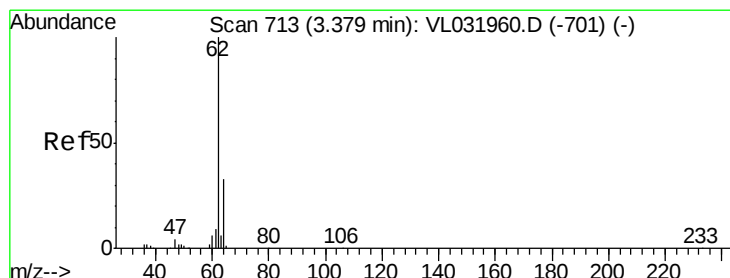
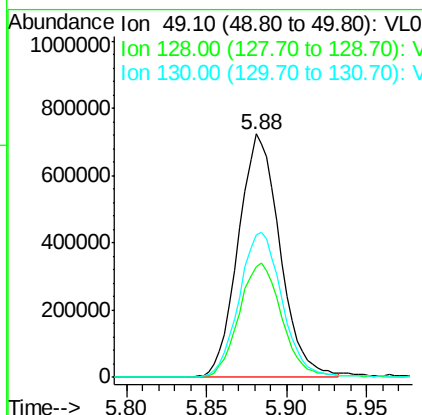
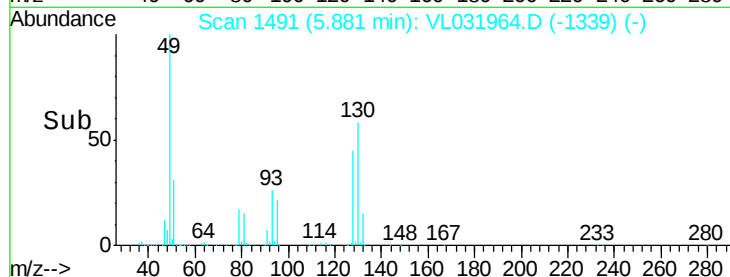
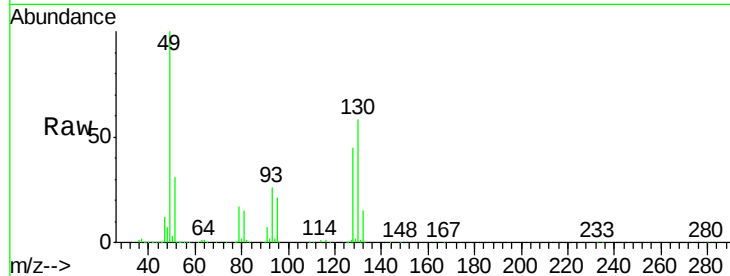
Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.88 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: VL031964.D
 Acq: 3 May 2018 14:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
49	100		
128	48.8	23.9	71.7
130	62.5	30.9	92.7

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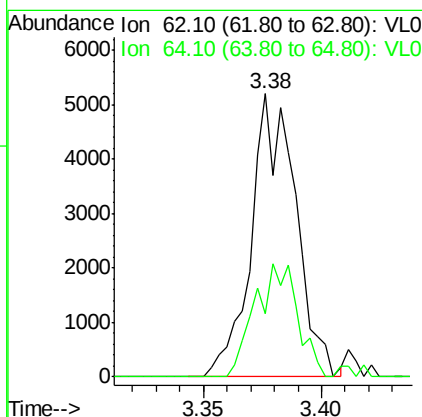
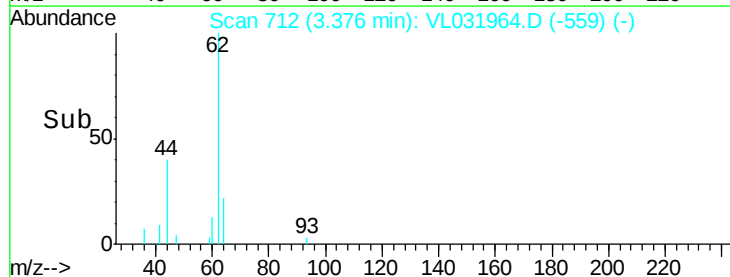
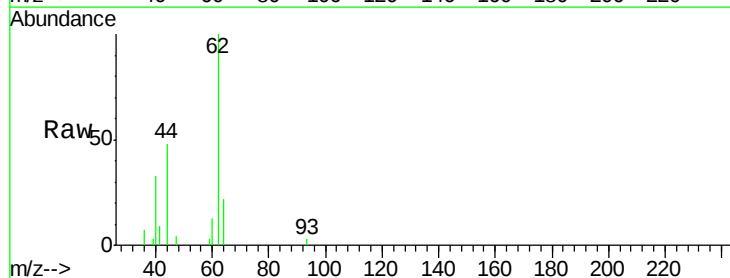
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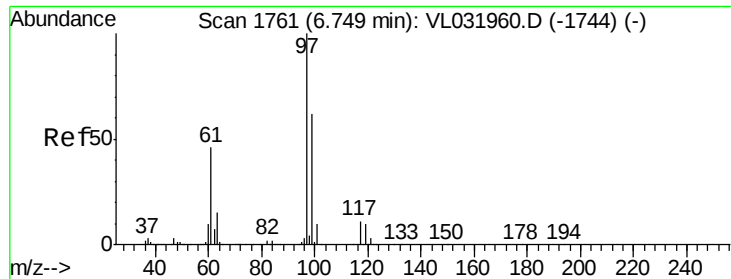


#5

Vinyl Chloride
 Concen: 0.08 ppbv m
 RT: 3.38 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VL031964.D
 Acq: 3 May 2018 14:01

Tgt Ion	Ratio	Lower	Upper
62	100		
64	22.5	25.9	38.9





#32

1,1,1-Trichloroethane

Concen: 0.08 ppbv

RT: 6.75 min Scan# 1761

Delta R.T. -0.01 min

Lab File: VL031964.D

Acq: 3 May 2018 14:01

Instrument :

MSVOA_L

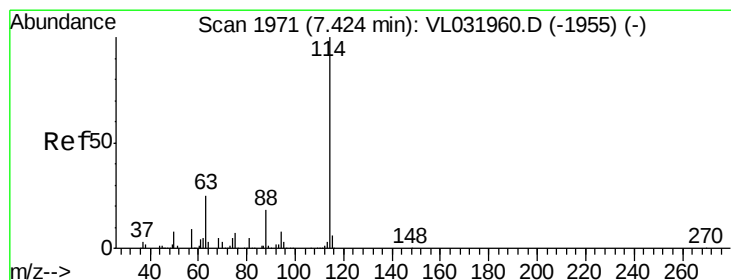
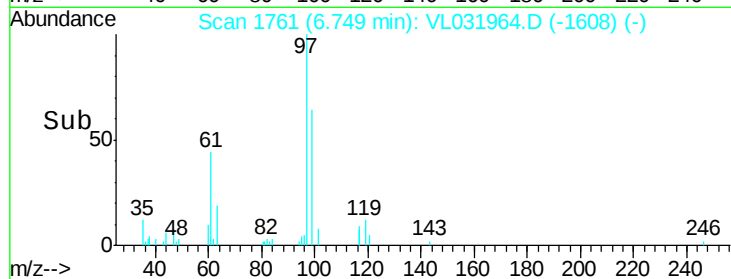
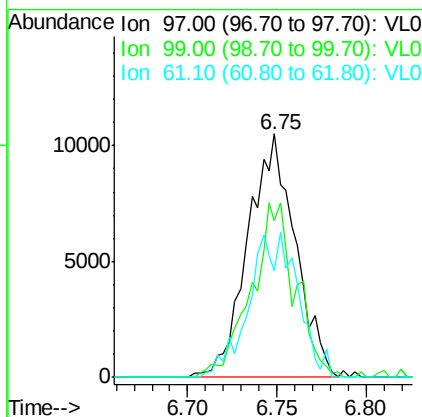
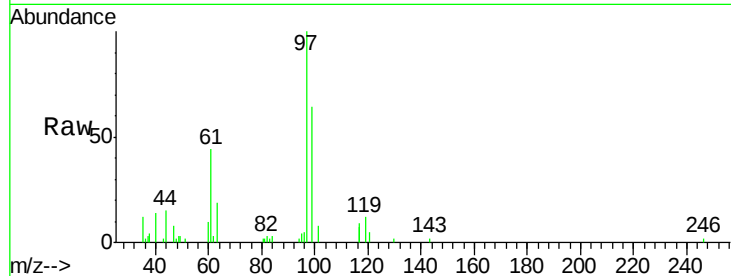
ClientSampleId :

VSTDIC0.1

Tot Ion:	97	Resp:	19457
Ion	Ratio	Lower	Upper
97	100		
99	67.8	51.5	77.3
61	61.1	40.0	60.0#

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#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

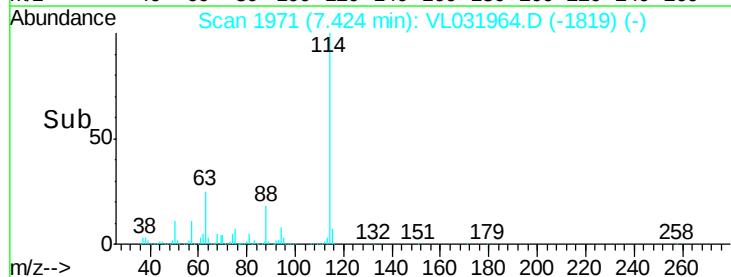
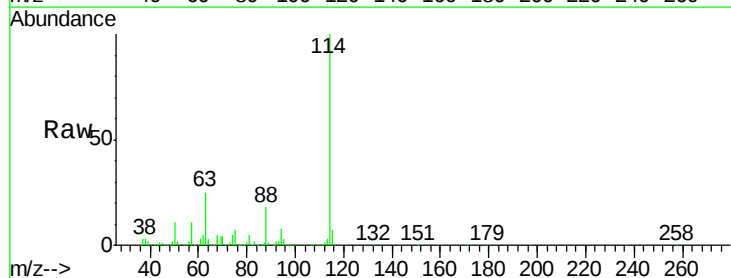
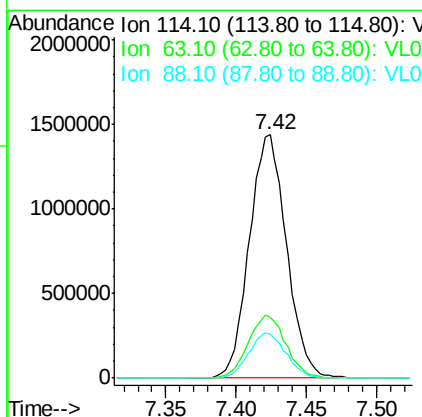
RT: 7.42 min Scan# 1971

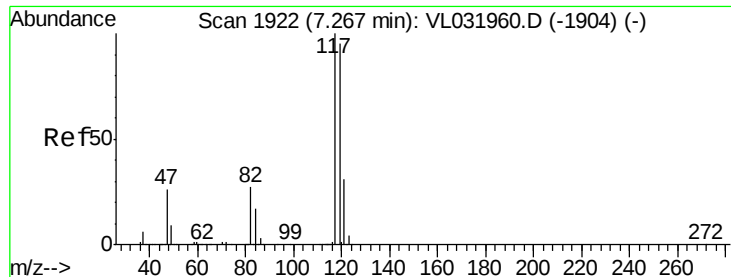
Delta R.T. -0.01 min

Lab File: VL031964.D

Acq: 3 May 2018 14:01

Tgt Ion:	114	Resp:	2649679
Ion	Ratio	Lower	Upper
114	100		
63	26.2	21.8	32.6
88	18.7	14.6	22.0





#35

Carbon Tetrachloride

Concen: 0.09 ppbv m

RT: 7.27 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VL031964.D

Acq: 3 May 2018 14:01

Instrument :

MSVOA_L

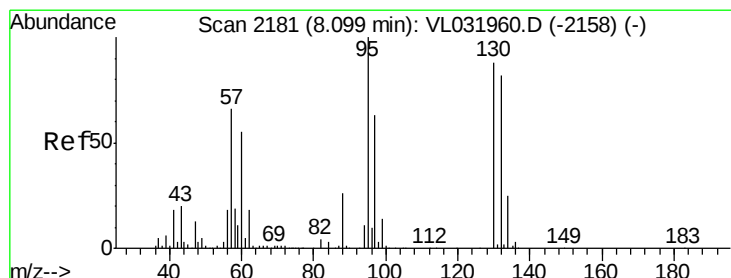
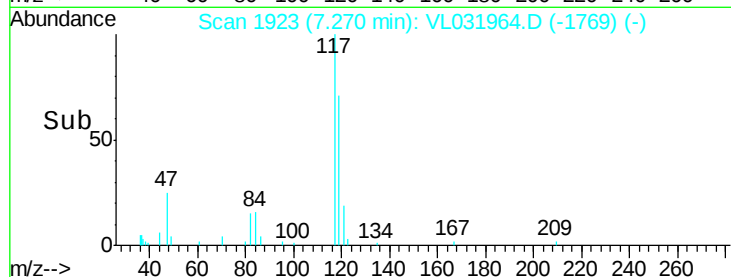
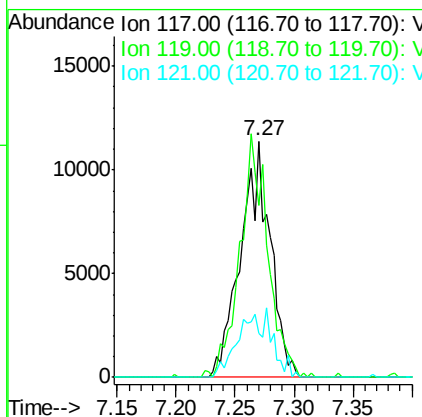
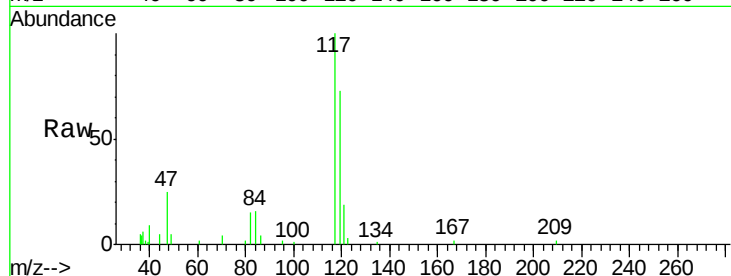
ClientSampleId :

VSTDIC0.1

Tot Ion:	117	Resp:	19842
Ion Ratio	Lower	Upper	
117	100		
119	72.7	76.9	115.3#
121	18.6	24.5	36.7#

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#38

Trichloroethene

Concen: 0.09 ppbv m

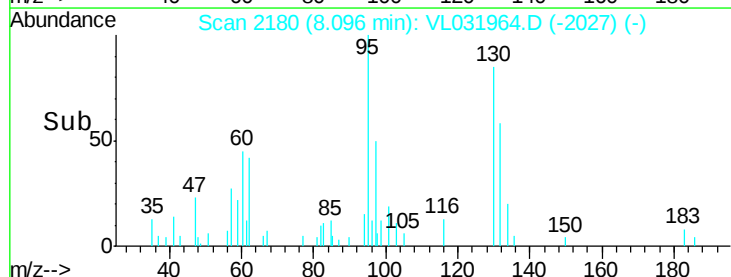
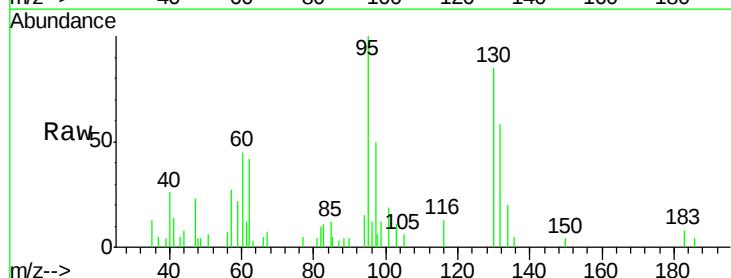
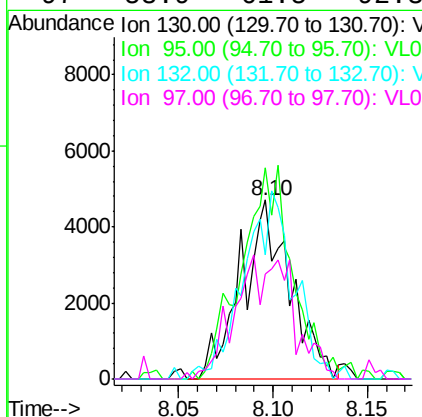
RT: 8.10 min Scan# 2180

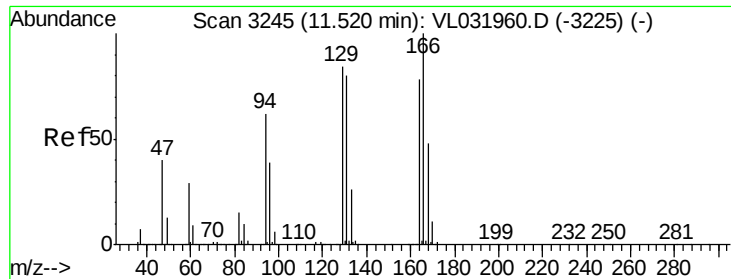
Delta R.T. -0.01 min

Lab File: VL031964.D

Acq: 3 May 2018 14:01

Tgt Ion:	130	Resp:	8564
Ion Ratio	Lower	Upper	
130	100		
95	118.3	96.6	144.8
132	69.1	79.1	118.7#
97	58.9	61.5	92.3#





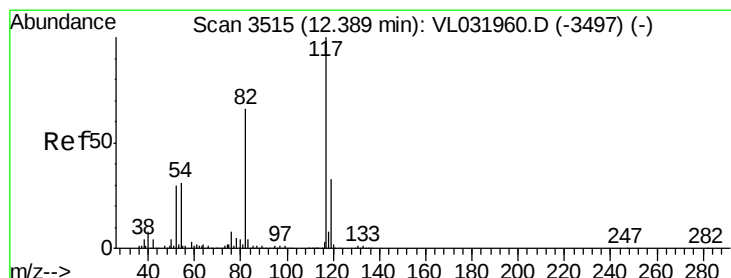
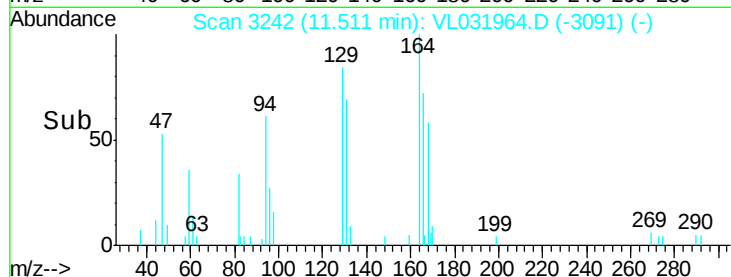
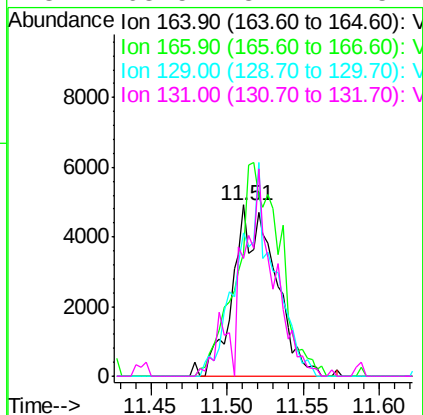
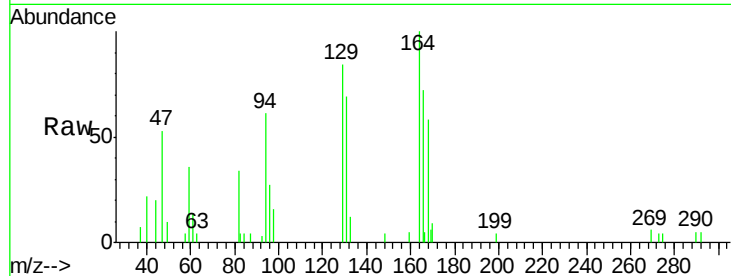
#52
Tetrachloroethene
Concen: 0.10 ppbv m
RT: 11.51 min Scan# 3242
Delta R.T. -0.01 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
164	100		
166	71.5	98.2	147.4#
129	83.7	86.5	129.7#
131	68.5	82.2	123.2#

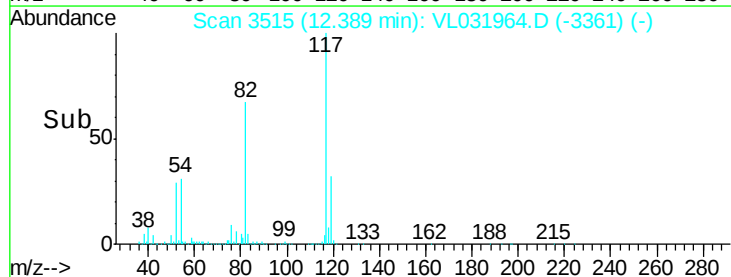
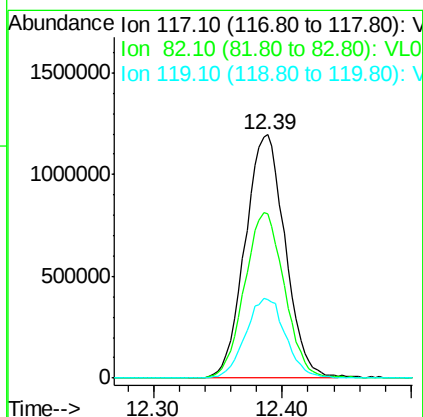
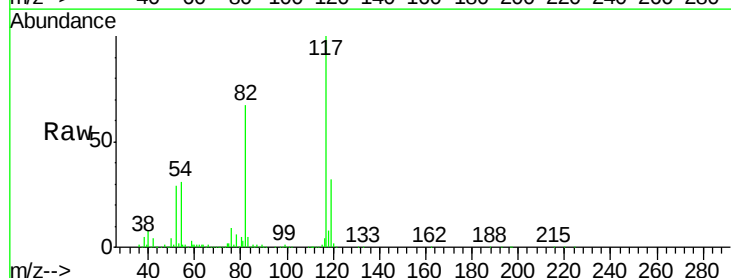
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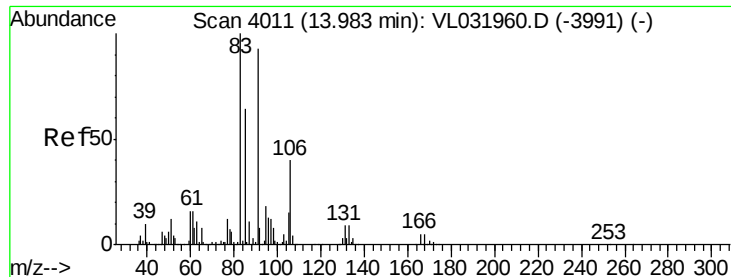
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#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.39 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VL031964.D
Acq: 3 May 2018 14:01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	67.9	54.6	81.8
119	33.0	26.0	39.0





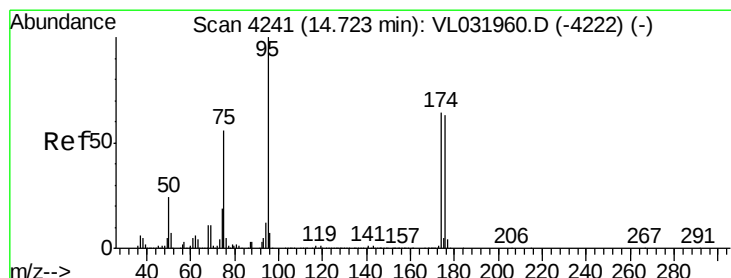
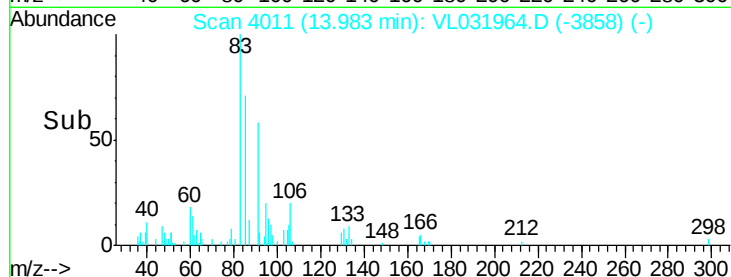
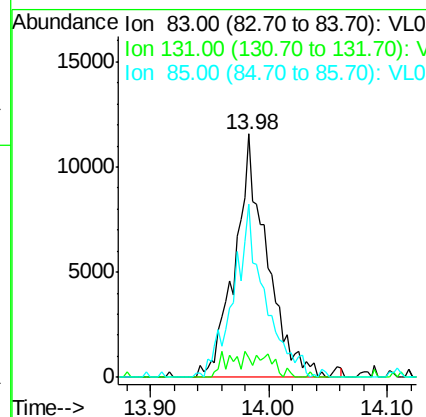
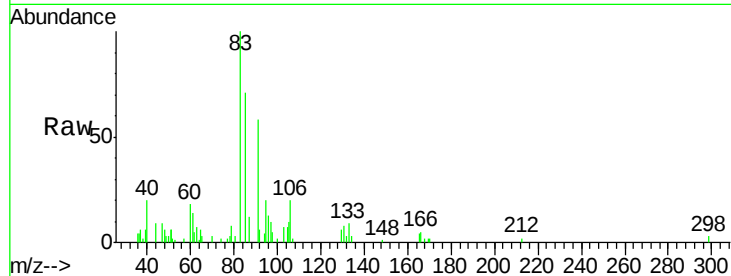
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.09 ppbv m
 RT: 13.98 min Scan# 4011
 Delta R.T. -0.01 min
 Lab File: VL031964.D
 Acq: 3 May 2018 14:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tot Ion	83	Resp	21810
Ion Ratio	100	Lower	Upper
83	100		
131	8.2	4.9	14.6
85	69.4	32.2	96.6

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.06 ppbv
 RT: 14.72 min Scan# 4241
 Delta R.T. -0.01 min
 Lab File: VL031964.D
 Acq: 3 May 2018 14:01

Tgt Ion	95	Resp	2093885
Ion Ratio	100	Lower	Upper
95	100		
174	67.1	52.3	78.5
175	4.9	3.9	5.9

