

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL041218\
 Data File : VL031855.D
 Acq On : 12 Apr 2018 2:50
 Operator : SY/AP
 Sample : VSTDICC0.1
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

Manual Integrations
 APPROVED

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 4/15/2018 3:06:10 PM

Quant Time: Apr 12 04:44:53 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL041218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Apr 12 2018
 QLast Update : Thu Apr 12 04:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.89	49	1311486	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.43	114	2762476	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	2677059	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.73	95	2204485	10.96	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.39	62	8819m	0.104	ppbv	
32) 1,1,1-Trichloroethane	6.74	97	24134m	0.092	ppbv	
35) Carbon Tetrachloride	7.27	117	22955m	0.111	ppbv	
38) Trichloroethene	8.10	130	8874m	0.084	ppbv	
52) Tetrachloroethene	11.53	164	9540m	0.091	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.99	83	25053m	0.108	ppbv	

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

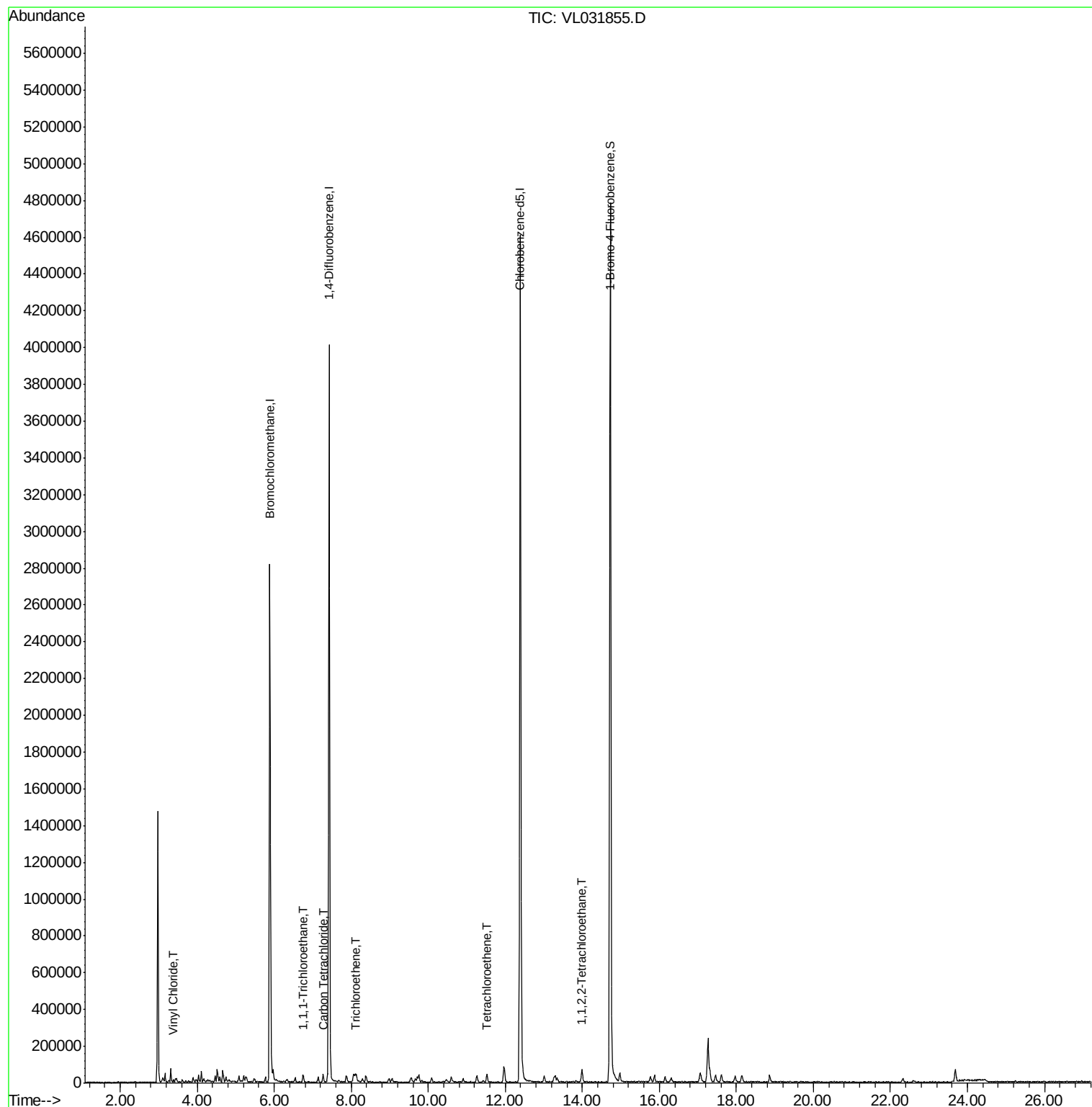
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL041218\
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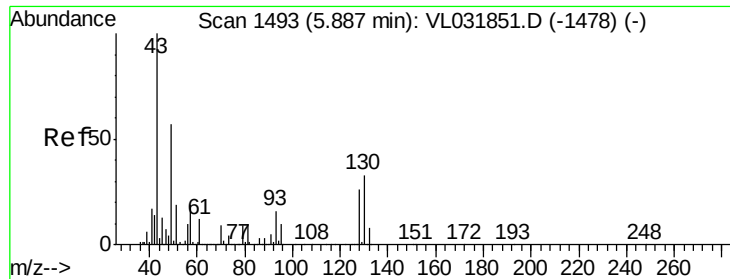
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

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Quant Time: Apr 12 04:44:53 2018
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL041218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Apr
QLast Update : Thu Apr 12 04:17:02 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.89 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VL031855.D

Acq: 12 Apr 2018 2:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion: 49 Resp: 1311486

Ion Ratio Lower Upper

49 100

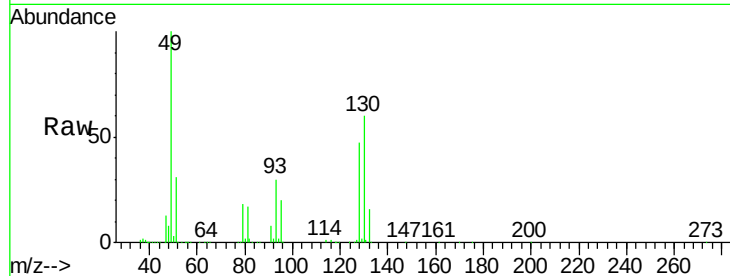
128 48.6 23.9 71.8

130 61.6 31.1 93.2

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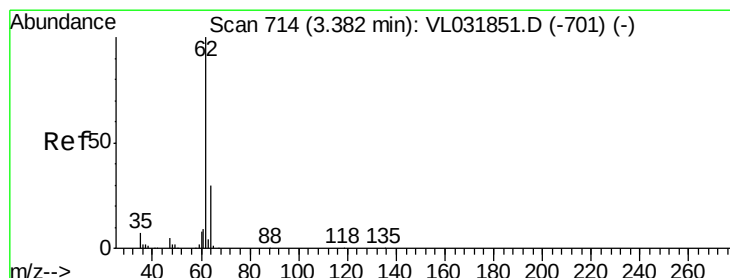
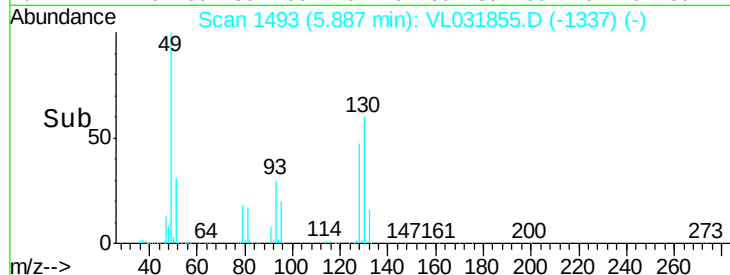
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.89

Time-->



#5

Vinyl Chloride

Concen: 0.104 ppbv m

RT: 3.39 min Scan# 715

Delta R.T. 0.00 min

Lab File: VL031855.D

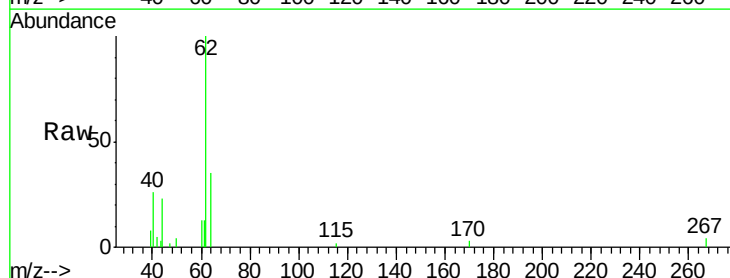
Acq: 12 Apr 2018 2:50

Tgt Ion: 62 Resp: 8819

Ion Ratio Lower Upper

62 100

64 35.0 23.8 35.8

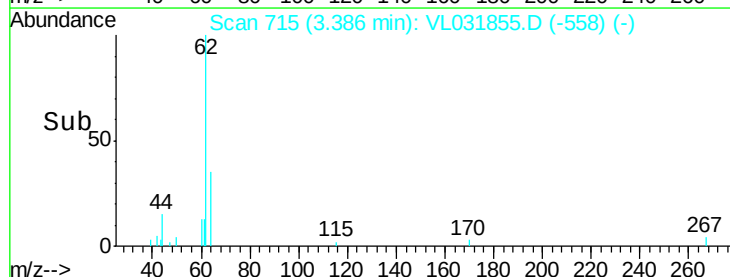


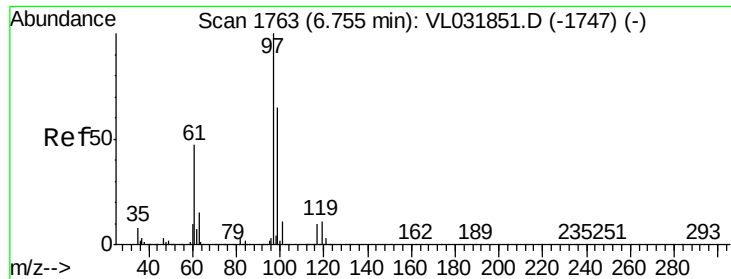
Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.39

Time-->





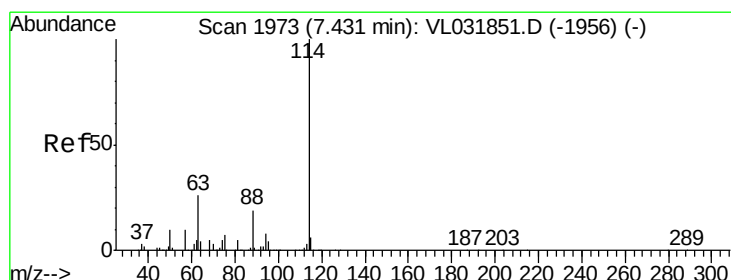
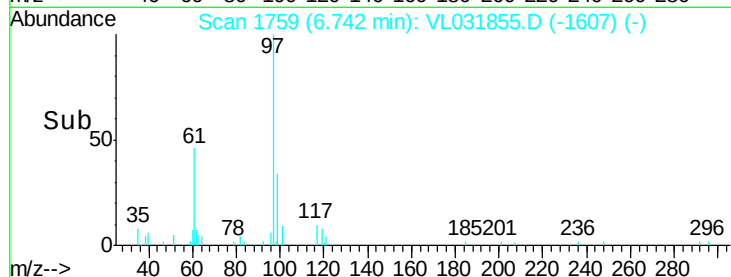
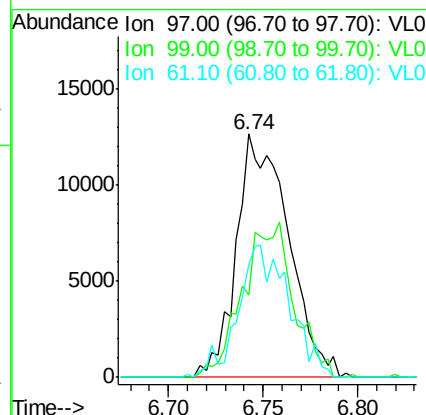
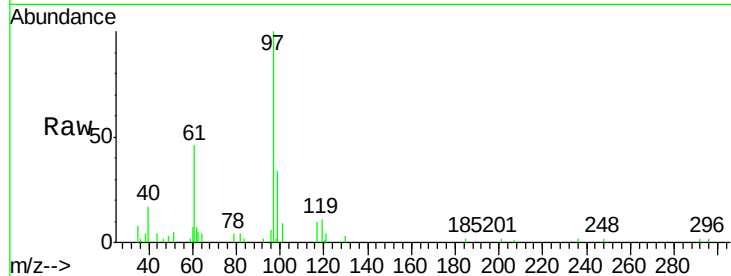
#32
 1,1,1-Trichloroethane
 Concen: 0.092 ppbv m
 RT: 6.74 min Scan# 1759
 Delta R.T. -0.01 min
 Lab File: VL031855.D
 Acq: 12 Apr 2018 2:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.5	77.3
61	53.7	39.0	58.4

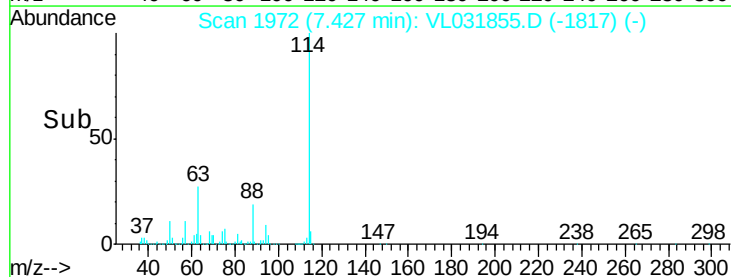
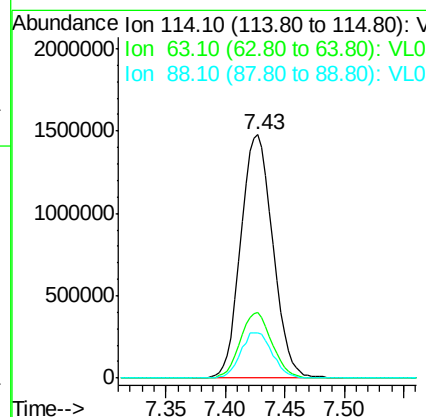
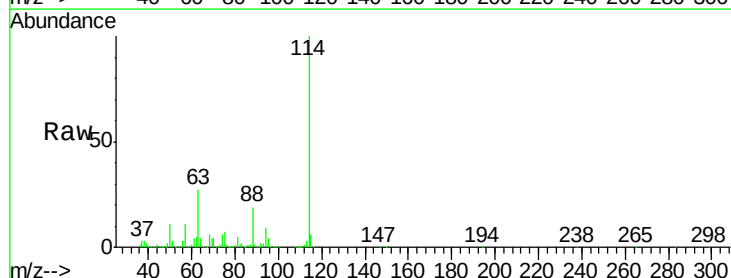
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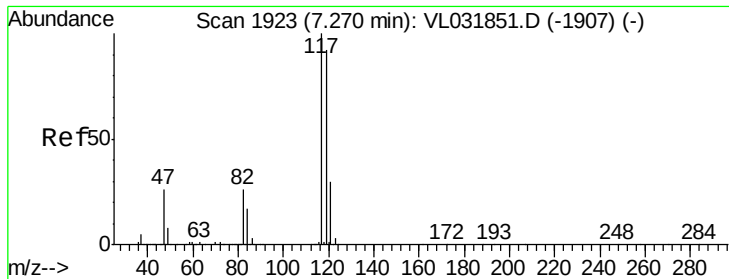
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#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.43 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VL031855.D
 Acq: 12 Apr 2018 2:50

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.8	21.4	32.2
88	18.7	14.7	22.1





#35

Carbon Tetrachloride

Concen: 0.111 ppbv m

RT: 7.27 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VL031855.D

Acq: 12 Apr 2018 2:50

Instrument :

MSVOA_L

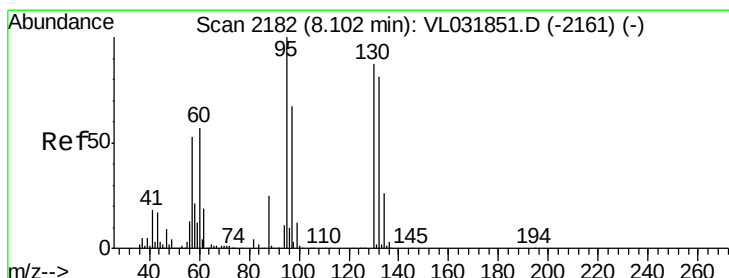
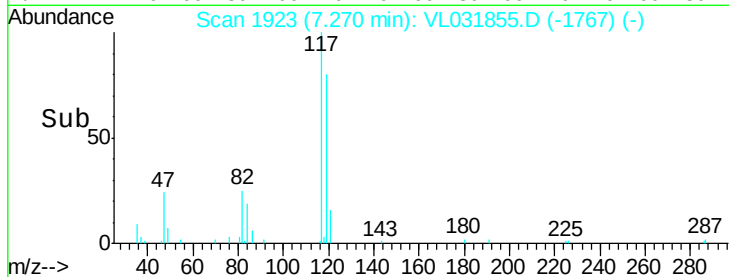
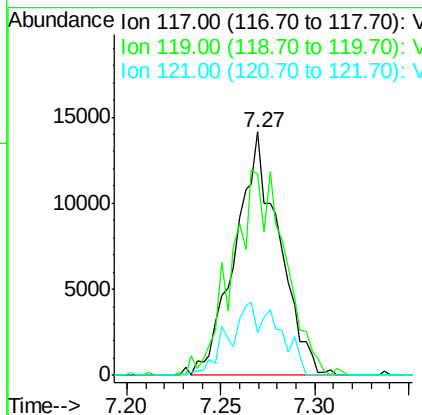
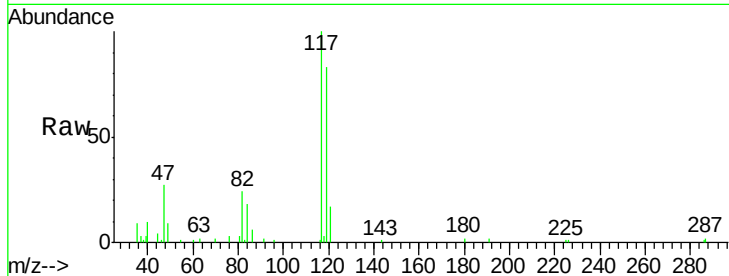
ClientSampleId :

VSTDIC0.1

Tot Ion:	117	Resp:	22955
Ion Ratio	Lower	Upper	
117	100		
119	82.6	73.4	110.0
121	17.3	24.2	36.4#

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#38

Trichloroethene

Concen: 0.084 ppbv m

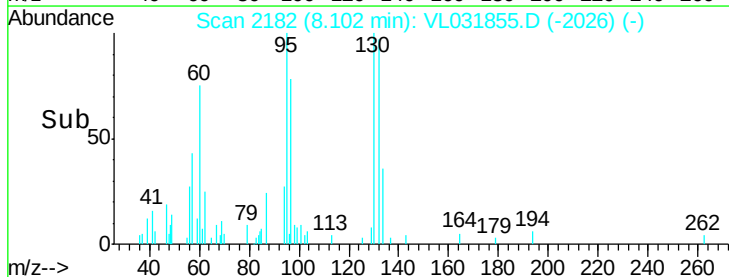
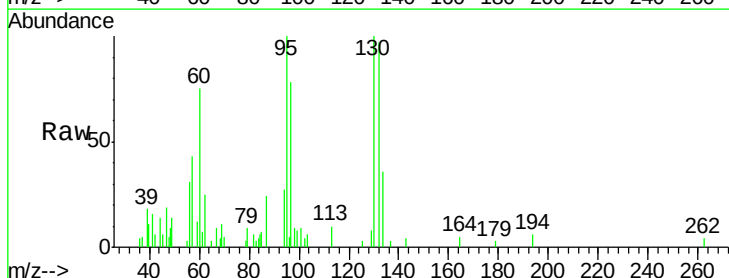
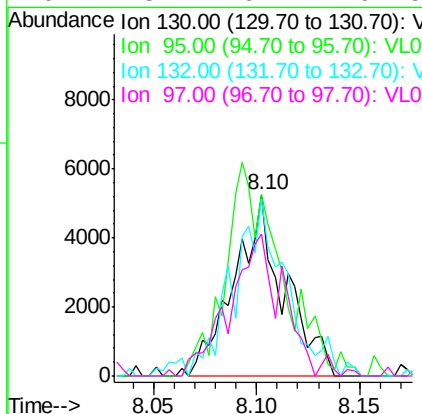
RT: 8.10 min Scan# 2182

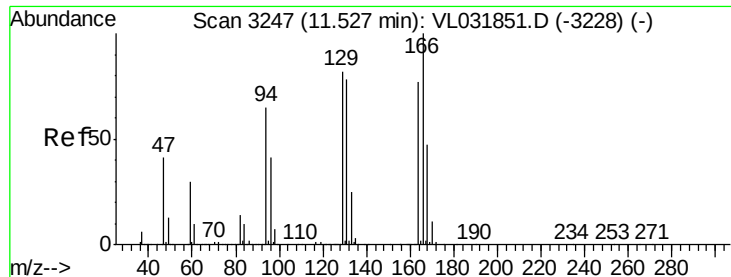
Delta R.T. -0.00 min

Lab File: VL031855.D

Acq: 12 Apr 2018 2:50

Tgt Ion:	130	Resp:	8874
Ion Ratio	Lower	Upper	
130	100		
95	100.5	92.1	138.1
132	97.6	74.8	112.2
97	78.7	61.7	92.5





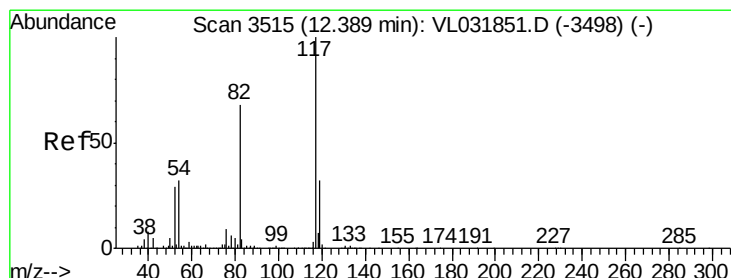
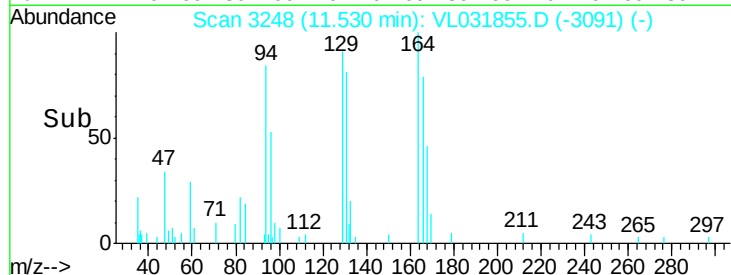
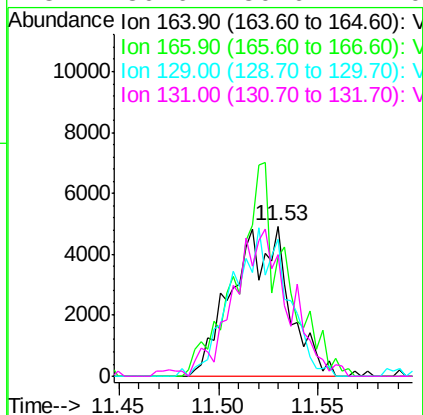
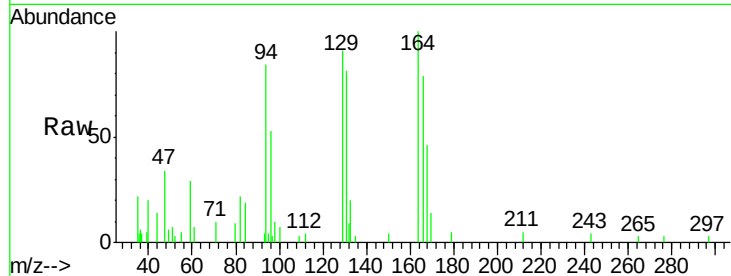
#52
Tetrachloroethene
Concen: 0.091 ppbv m
RT: 11.53 min Scan# 3248
Delta R.T. 0.00 min
Lab File: VL031855.D
Acq: 12 Apr 2018 2:50

Instrument :
MSVOA_L
ClientSampled :
VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
164	100		
166	79.2	103.3	154.9#
129	91.5	84.2	126.4
131	80.6	80.6	121.0#

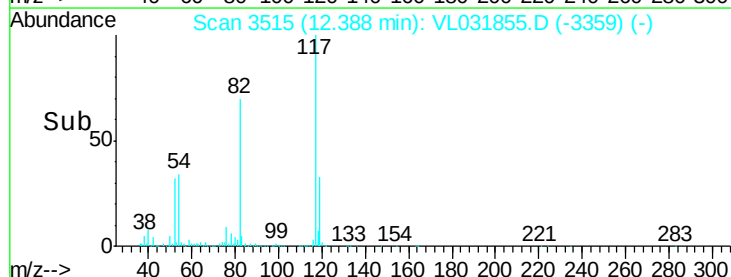
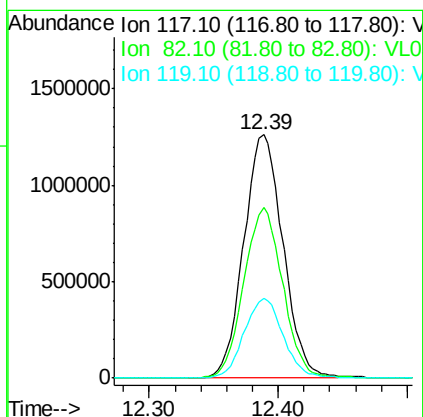
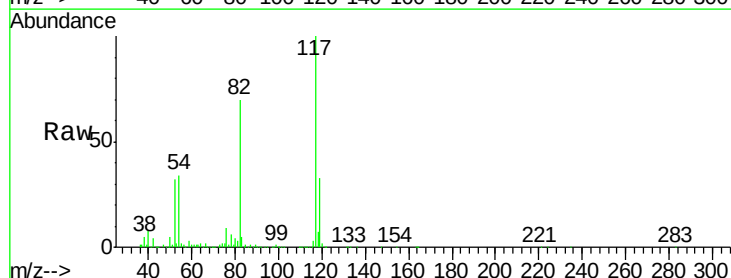
Manual Integrations
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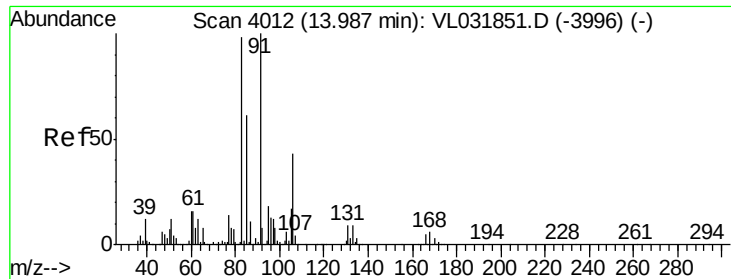
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.39 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VL031855.D
Acq: 12 Apr 2018 2:50

Tgt Ion	Ratio	Lower	Upper
117	100		
82	70.2	52.9	79.3
119	32.9	43.8	65.6#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.108 ppbv m

RT: 13.99 min Scan# 4013

Delta R.T. 0.00 min

Lab File: VL031855.D

Acq: 12 Apr 2018 2:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion: 83 Resp: 25053

Ion Ratio Lower Upper

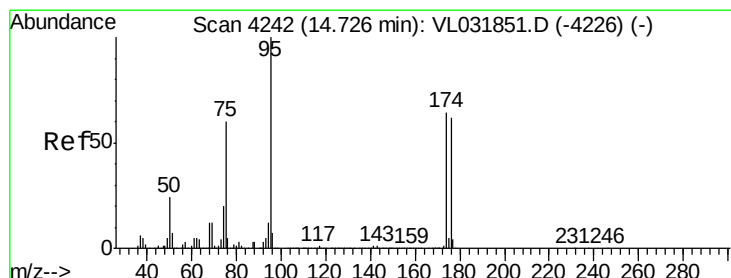
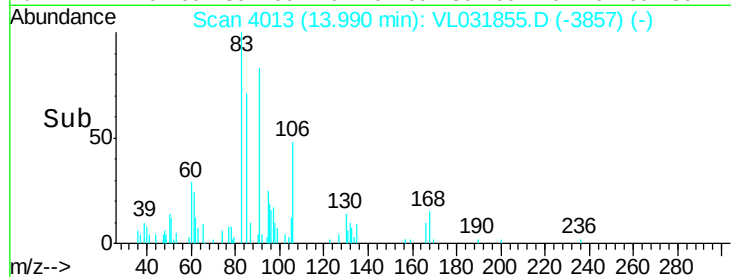
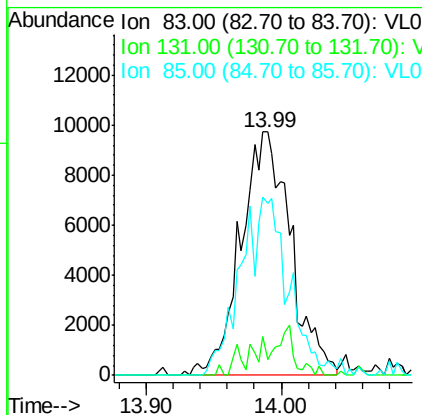
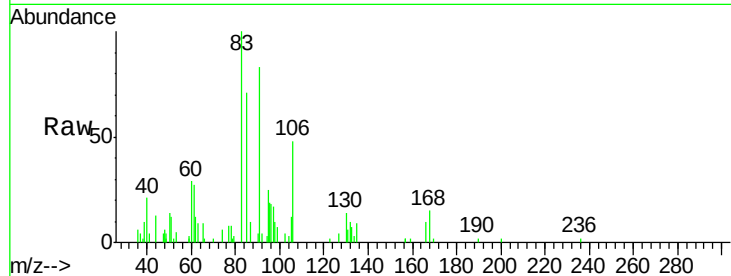
83 100

131 0.0 4.8 14.4#

85 71.5 32.8 98.4

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 10.962 ppbv

RT: 14.73 min Scan# 4242

Delta R.T. -0.00 min

Lab File: VL031855.D

Acq: 12 Apr 2018 2:50

Tgt Ion: 95 Resp: 2204485

Ion Ratio Lower Upper

95 100

174 64.7 52.2 78.2

175 4.7 3.8 5.8

