

Data Path : W:\HPCHEM1\MSVOA L\Data\VL020916\
 Data File : VL026828.D
 Acq On : 9 Feb 2016 20:06
 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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 2/11/2016 1:23:16 PM

Quant Time: Feb 10 03:05:10 2016
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL020916AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 03:05:10 2016
 QLast Update : Wed Feb 10 02:03:34 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.68	49	1615276	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	8.36	114	4183284	10.00	ppbv	-0.02
55) Chlorobenzene-d5	13.79	117	3876122	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.33	95	2822480	8.58	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	85.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.92	62	4003	0.04	ppbv	90
32) 1,1,1-Trichloroethane	7.63	97	10071	0.02	ppbv	99
35) Carbon Tetrachloride	8.20	117	10649	0.03	ppbv	99
38) Trichloroethene	9.10	130	4764m	0.03	ppbv	
52) Tetrachloroethene	12.85	164	3817	0.02	ppbv #	72
63) 1,1,2,2-Tetrachloroethane	15.54	83	9622m	0.02	ppbv	

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

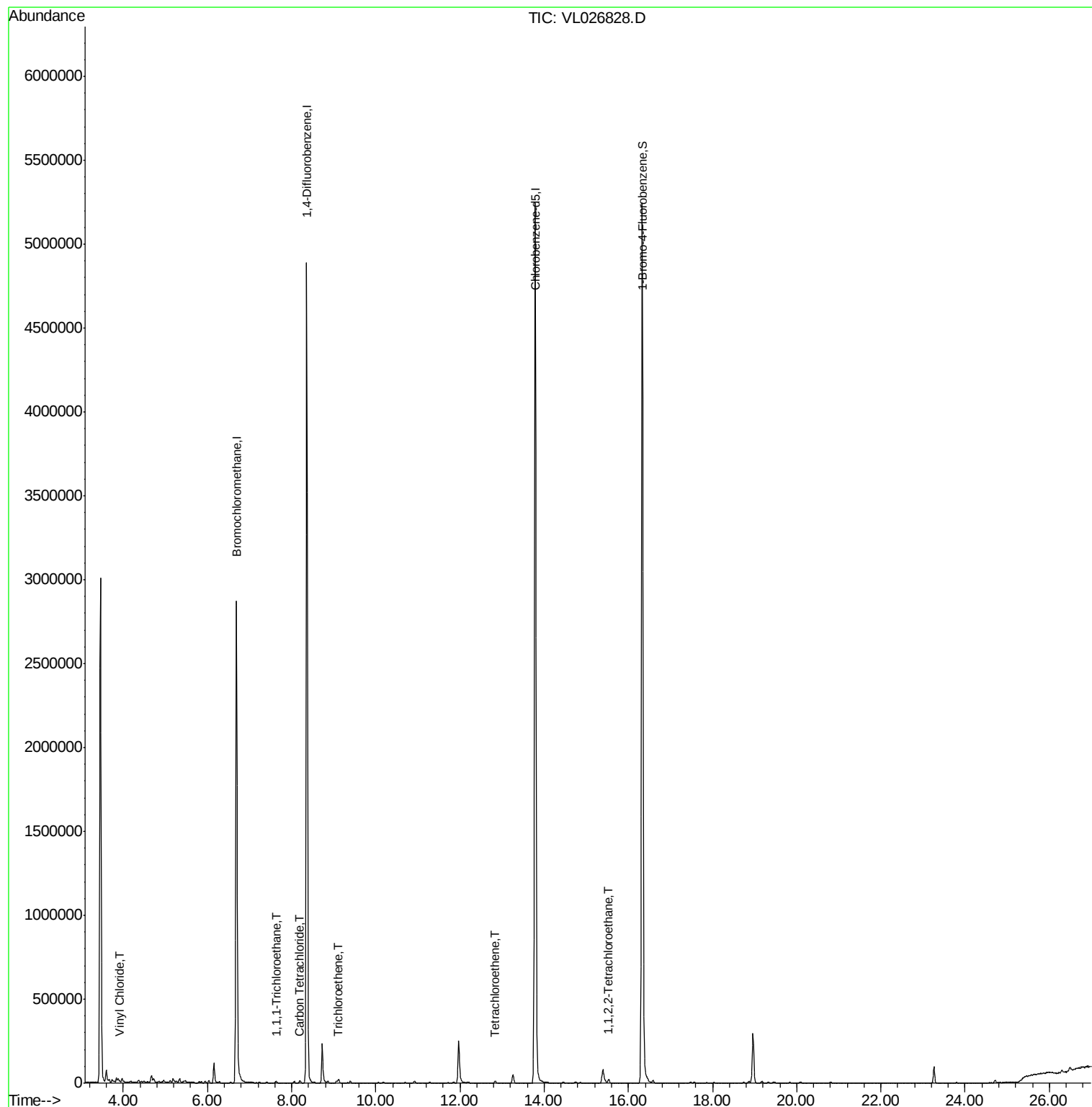
Data Path : W:\HPCHEM1\MSVOA L\Data\VL020916\
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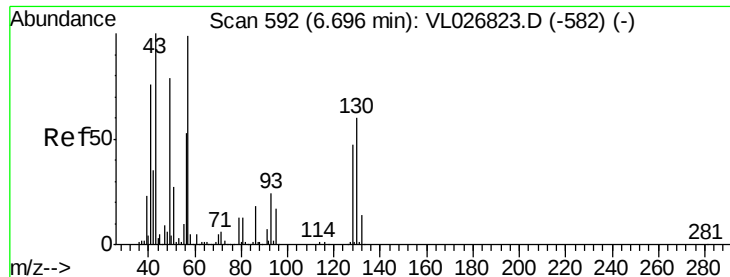
Instrument :
MSVOA_L
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Quant Time: Feb 10 03:05:10 2016
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL020916AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb
QLast Update : Wed Feb 10 02:03:34 2016
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.68 min Scan# 590

Delta R.T. -0.01 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tot Ion: 49 Resp: 1615276

Ion Ratio Lower Upper

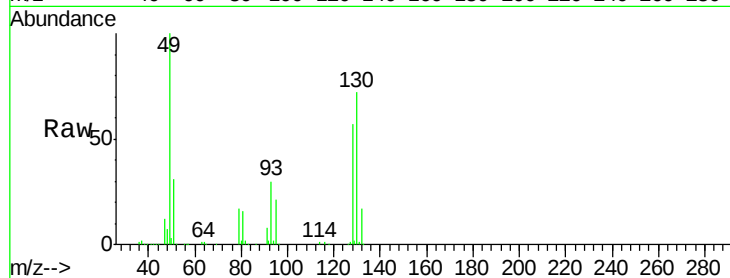
49 100

128 57.1 29.7 89.1

130 73.4 38.3 114.8

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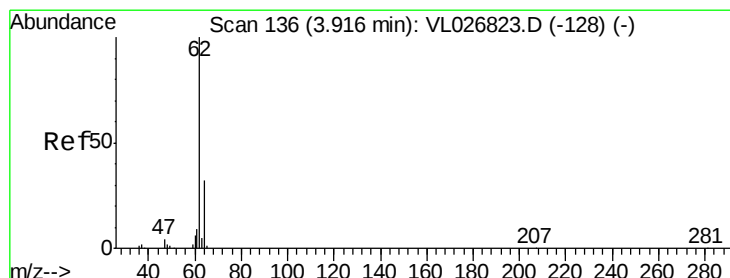
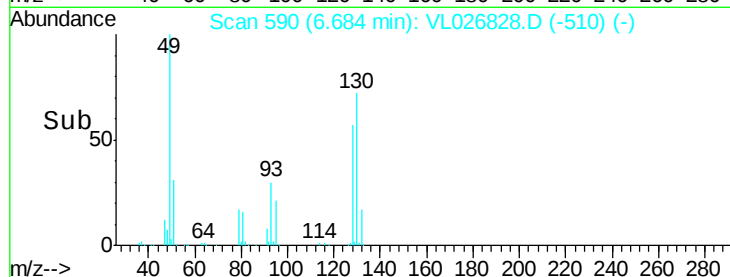
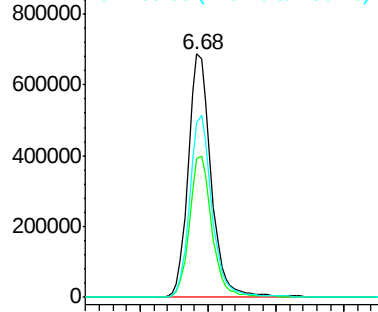
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#5

Vinyl Chloride

Concen: 0.04 ppbv

RT: 3.92 min Scan# 137

Delta R.T. 0.01 min

Lab File: VL026828.D

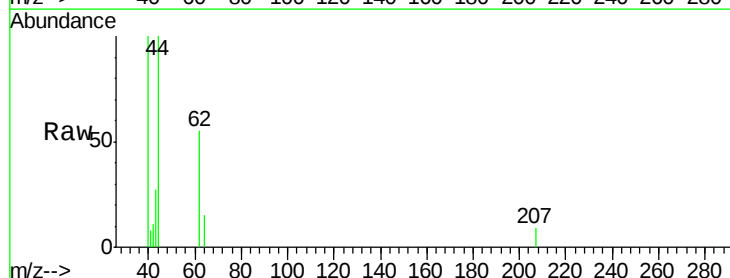
Acq: 9 Feb 2016 20:06

Tgt Ion: 62 Resp: 4003

Ion Ratio Lower Upper

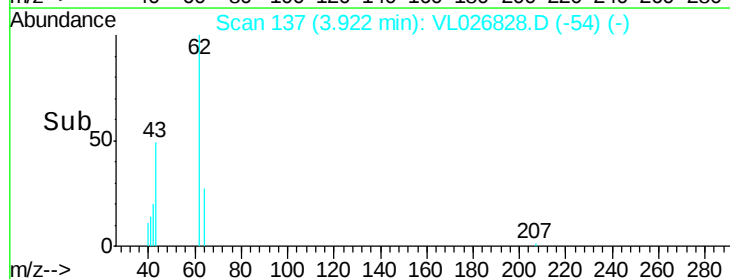
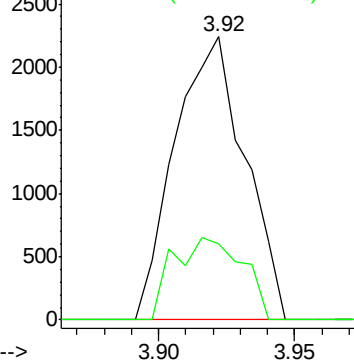
62 100

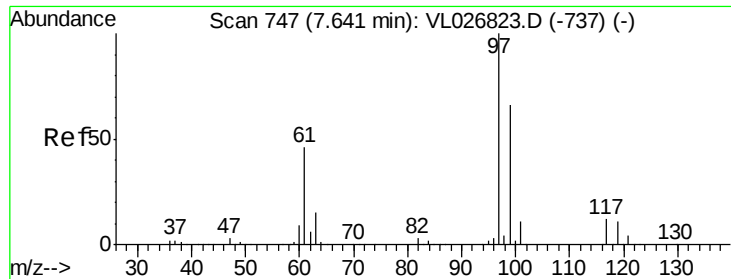
64 26.7 25.8 38.6



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: 0.02 ppbv

RT: 7.63 min Scan# 746

Delta R.T. -0.01 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

Instrument :

MSVOA_L

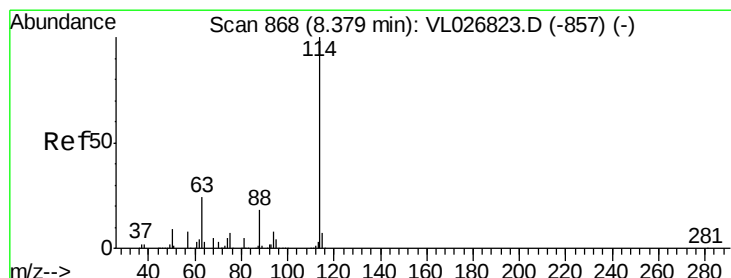
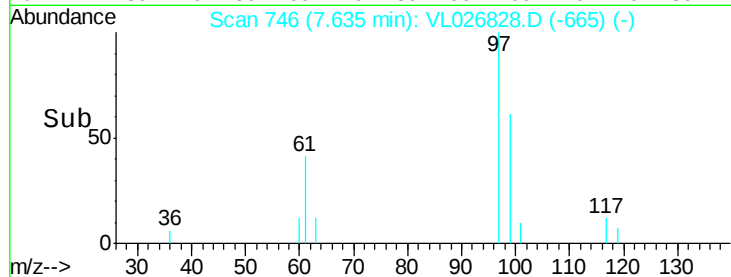
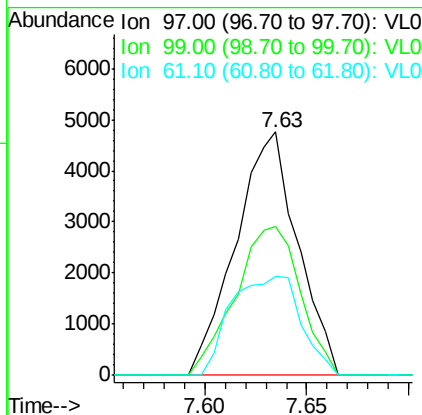
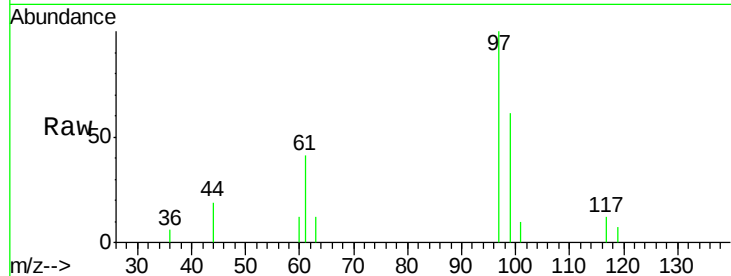
ClientSampleId :

VSTDIC0.03

Tot Ion:	97	Resp:	10071
Ion	Ratio	Lower	Upper
97	100		
99	63.9	52.0	78.0
61	45.8	36.2	54.4

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#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

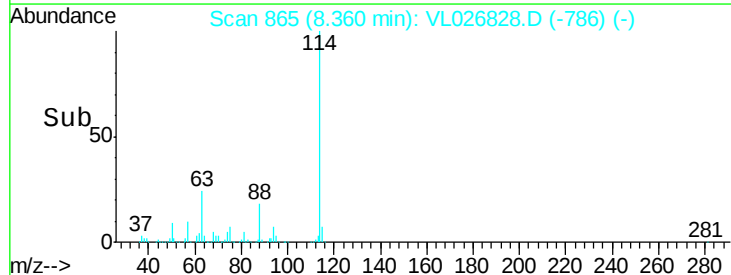
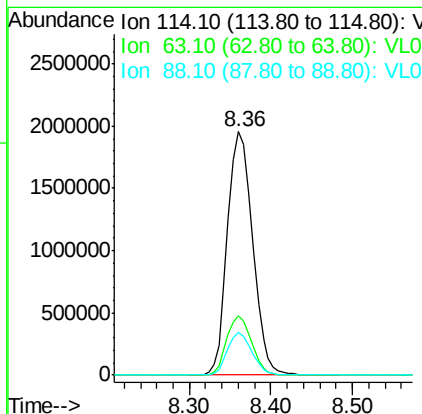
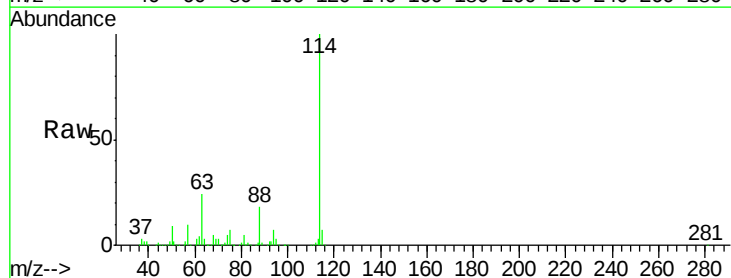
RT: 8.36 min Scan# 865

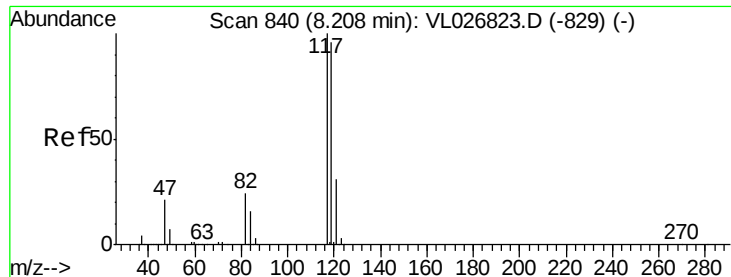
Delta R.T. -0.02 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

Tgt Ion:	114	Resp:	4183284
Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.7	29.5
88	17.2	13.8	20.6





#35

Carbon Tetrachloride

Concen: 0.03 ppbv

RT: 8.20 min Scan# 839

Delta R.T. -0.01 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

Instrument :

MSVOA_L

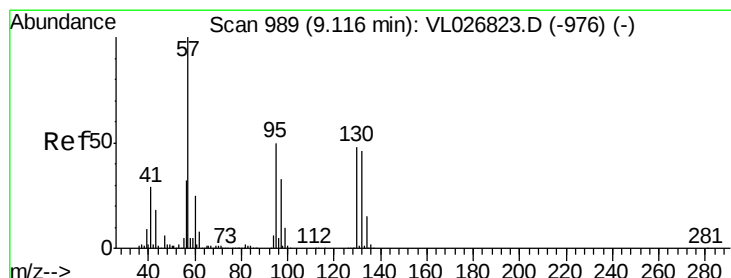
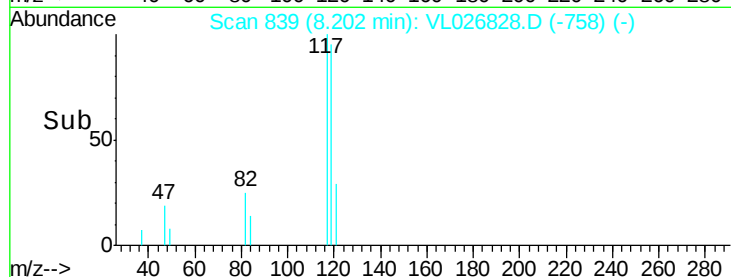
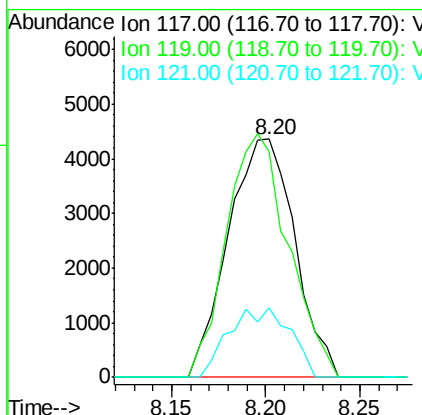
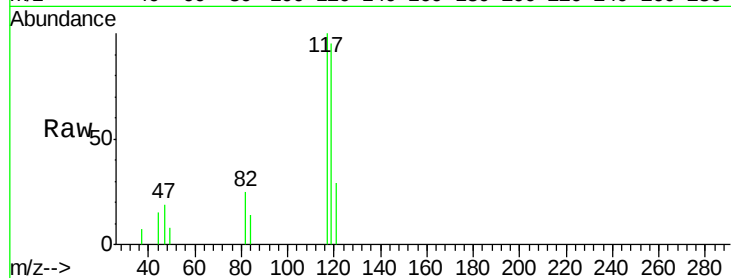
ClientSampleId :

VSTDIC0.03

Tot Ion:	117	Resp:	10649
Ion	Ratio	Lower	Upper
117	100		
119	94.9	76.6	115.0
121	29.4	25.0	37.4

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#38

Trichloroethene

Concen: 0.03 ppbv m

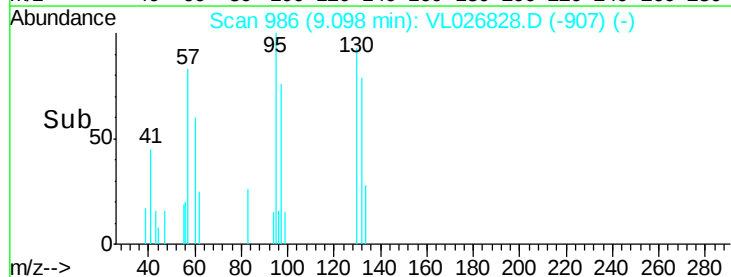
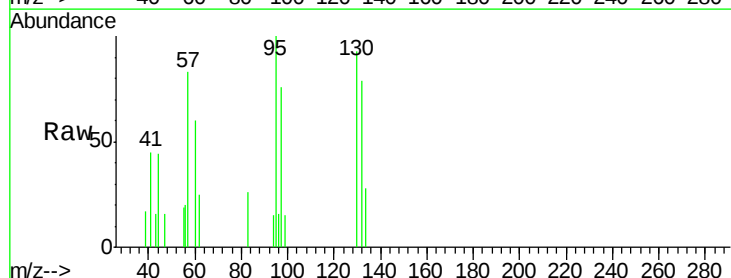
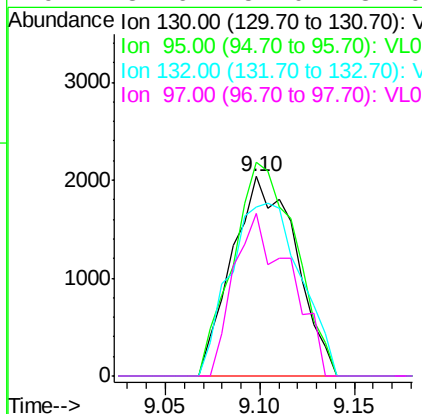
RT: 9.10 min Scan# 986

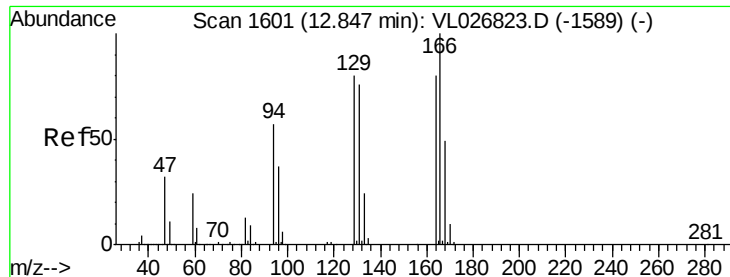
Delta R.T. -0.02 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

Tgt Ion:	130	Resp:	4764
Ion	Ratio	Lower	Upper
130	100		
95	107.0	83.0	124.6
132	84.6	76.0	114.0
97	81.6	54.0	81.0#





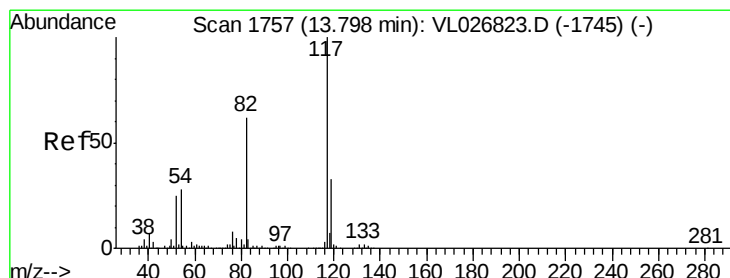
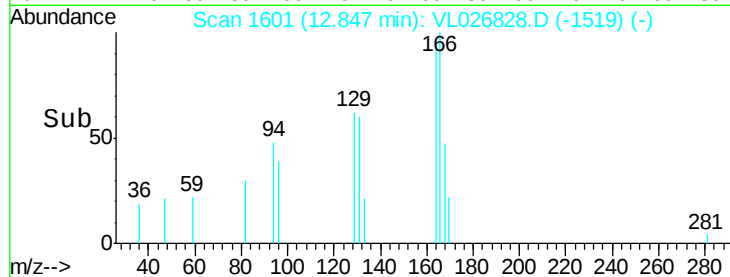
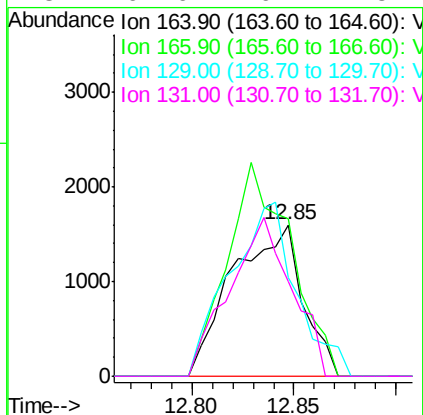
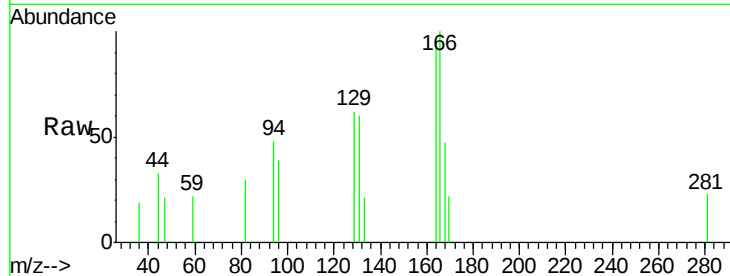
#52
Tetrachloroethene
Concen: 0.02 ppbv
RT: 12.85 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VL026828.D
Acq: 9 Feb 2016 20:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tot Ion	Ratio	Lower	Upper
164	100		
166	104.3	100.3	150.5
129	65.1	80.0	120.0#
131	62.6	76.7	115.1#

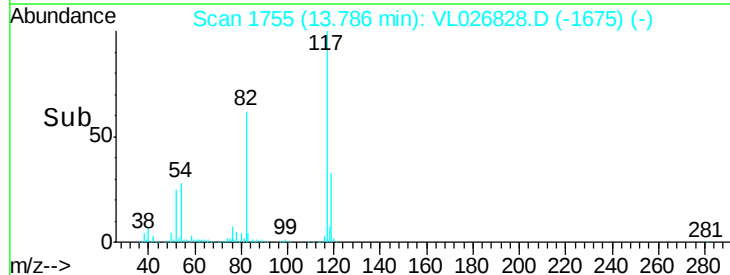
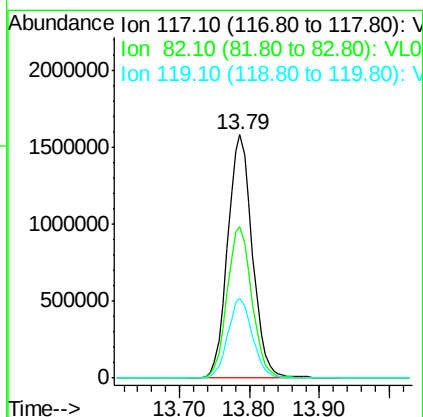
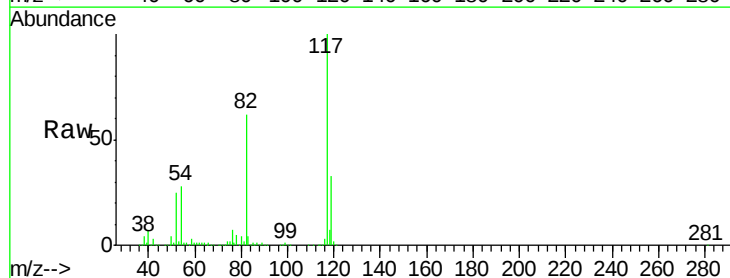
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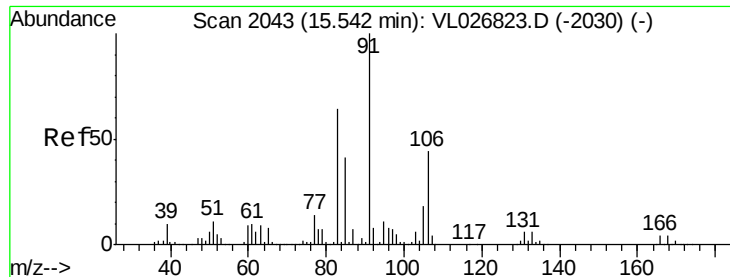
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#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.79 min Scan# 1755
Delta R.T. -0.01 min
Lab File: VL026828.D
Acq: 9 Feb 2016 20:06

Tgt Ion	Ratio	Lower	Upper
117	100		
82	0.0	51.9	77.9#
119	32.8	48.5	72.7#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.02 ppbv m

RT: 15.54 min Scan# 2042

Delta R.T. -0.01 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

Instrument :

MSVOA_L

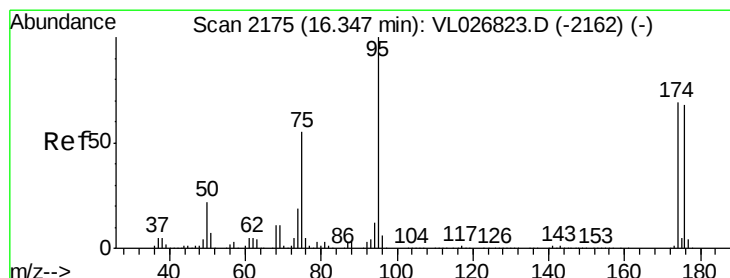
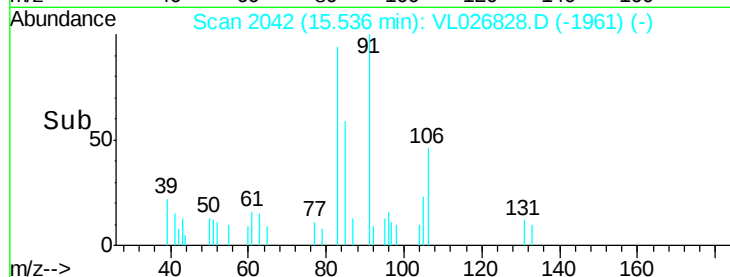
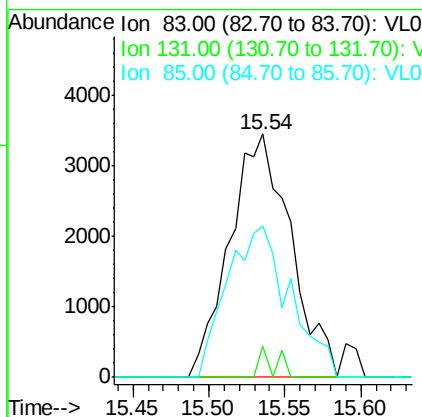
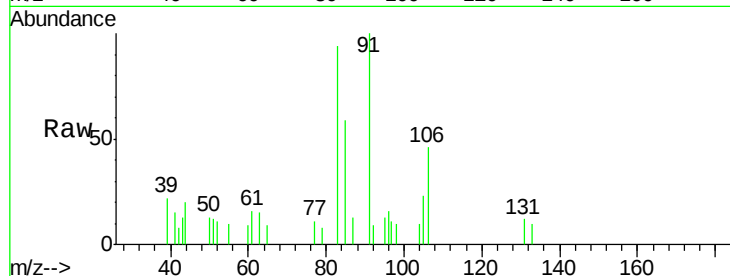
ClientSampleId :

VSTDIC0.03

Tot Ion	83	Resp	9622
Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.7	14.1#
85	64.1	32.3	96.9

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 8.58 ppbv

RT: 16.33 min Scan# 2172

Delta R.T. -0.02 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

Tgt Ion	95	Resp	2822480
Ion	Ratio	Lower	Upper
95	100		
174	0.0	55.6	83.4#
175	4.9	3.9	5.9

