

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL010816\
 Data File : VL026651.D
 Acq On : 8 Jan 2016 18:00
 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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 1/11/2016 5:13:32 PM

Quant Time: Jan 08 23:06:31 2016
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL010816AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 08 2016
 QLast Update : Fri Jan 08 22:06:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.63	49	809162	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.30	114	2453651	10.00	ppbv	-0.01
55) Chlorobenzene-d5	13.71	117	3184011	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.25	95	2612795	10.18	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.87	62	6217	0.10	ppbv	# 87
32) 1,1,1-Trichloroethane	7.57	97	21570	0.11	ppbv	95
35) Carbon Tetrachloride	8.13	117	22290	0.11	ppbv	88
38) Trichloroethene	9.04	130	10687	0.11	ppbv	90
52) Tetrachloroethene	12.76	164	12648m	0.12	ppbv	
63) 1,1,2,2-Tetrachloroethane	15.45	83	39100	0.13	ppbv	95

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

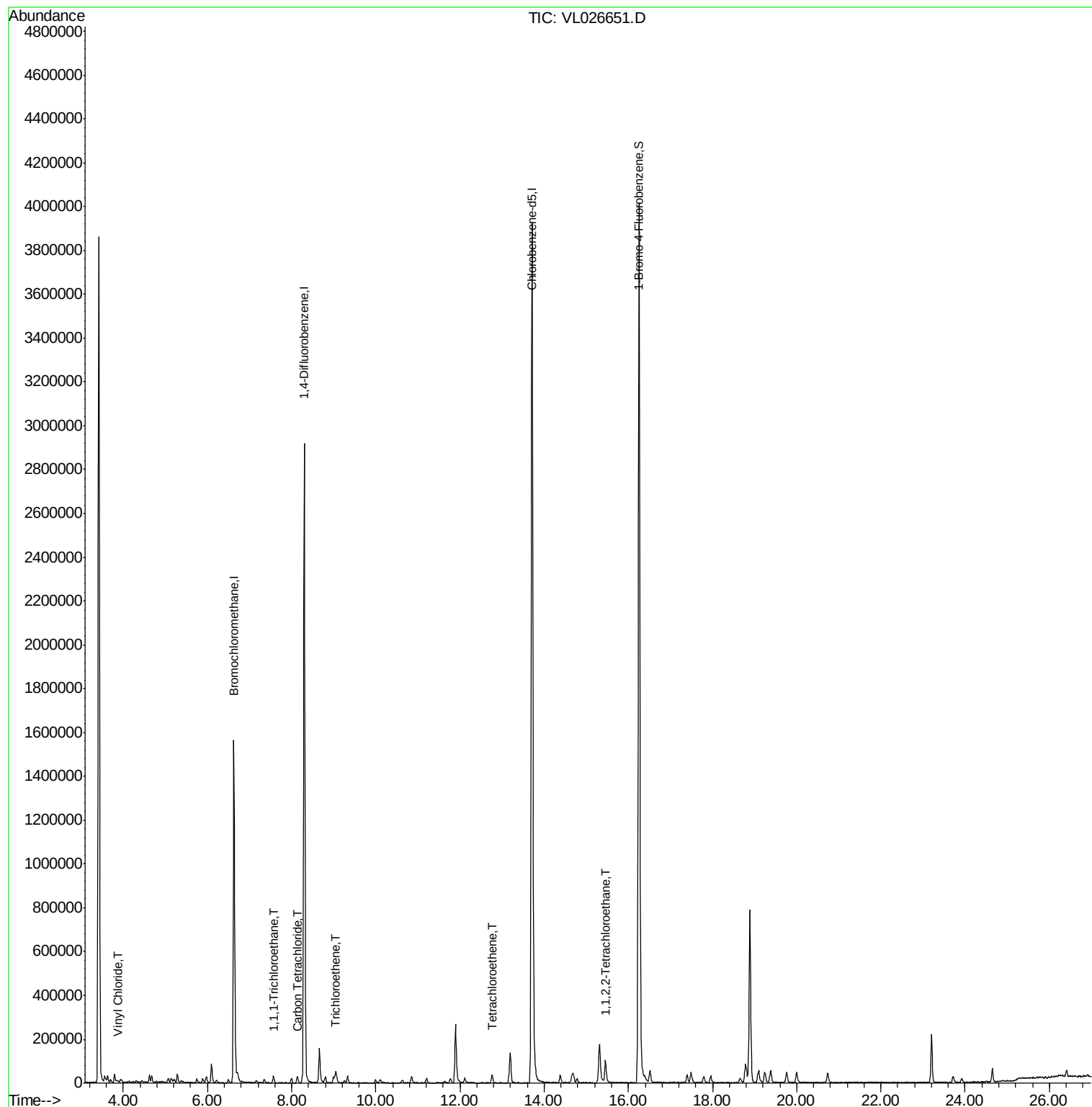
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL010816\
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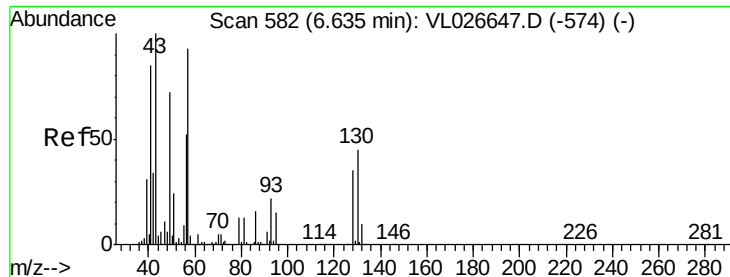
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

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Quant Time: Jan 08 23:06:31 2016
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL010816AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan
QLast Update : Fri Jan 08 22:06:23 2016
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VL026651.D

Acq: 8 Jan 2016 18:00

Instrument :

MSVOA_L

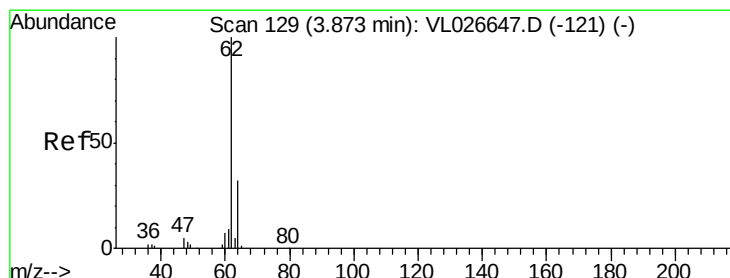
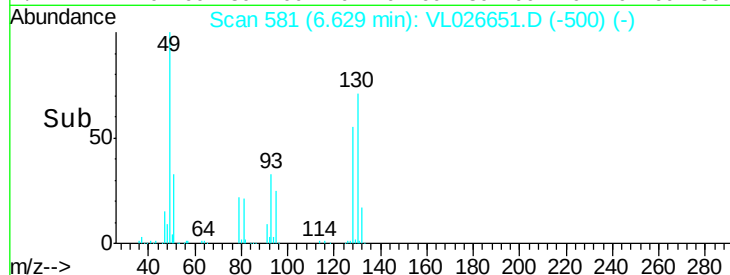
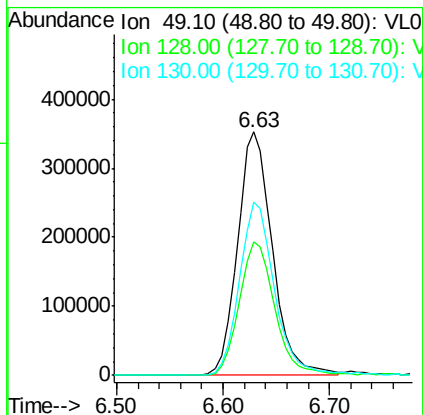
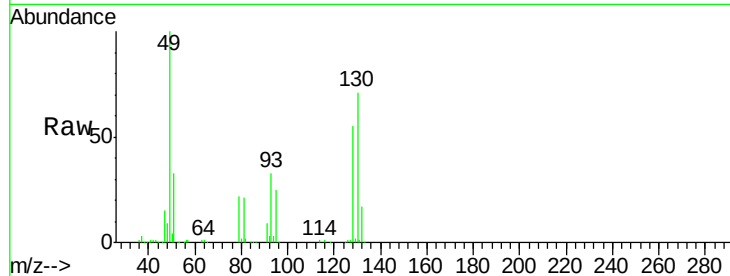
ClientSampleId :

VSTDIC0.1

Tot Ion	49	Resp	809162
Ion	Ratio	Lower	Upper
49	100		
128	57.1	25.9	77.7
130	73.1	33.6	100.8

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#5

Vinyl Chloride

Concen: 0.10 ppbv

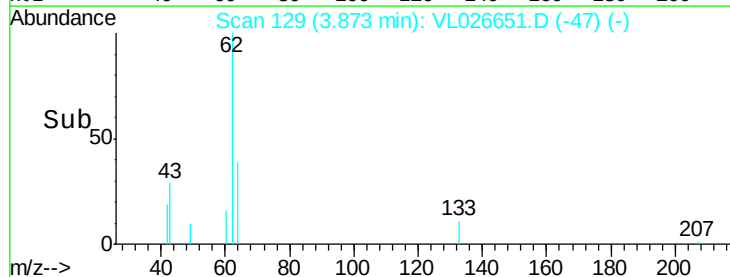
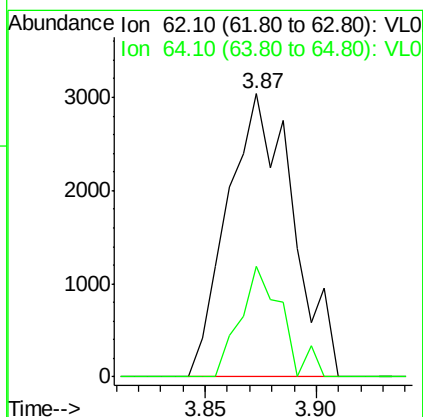
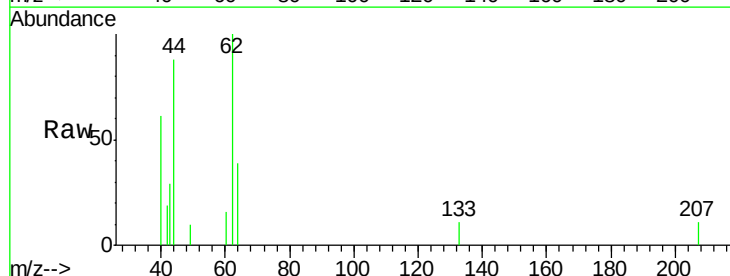
RT: 3.87 min Scan# 129

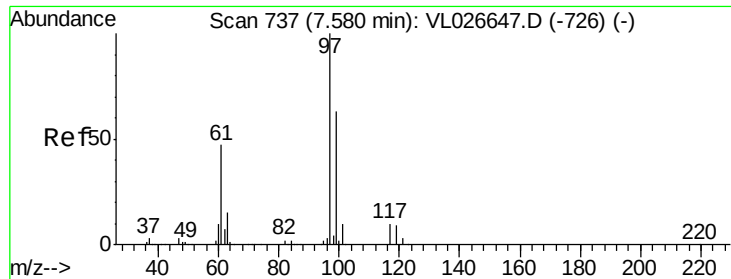
Delta R.T. -0.00 min

Lab File: VL026651.D

Acq: 8 Jan 2016 18:00

Tgt Ion	62	Resp	6217
Ion	Ratio	Lower	Upper
62	100		
64	39.2	25.6	38.4#





#32

1,1,1-Trichloroethane

Concen: 0.11 ppbv

RT: 7.57 min Scan# 735

Delta R.T. -0.01 min

Lab File: VL026651.D

Acq: 8 Jan 2016 18:00

Instrument :

MSVOA_L

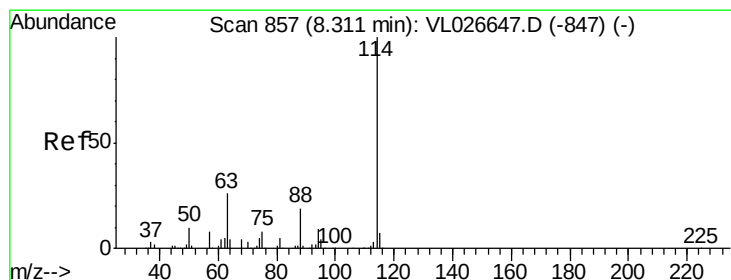
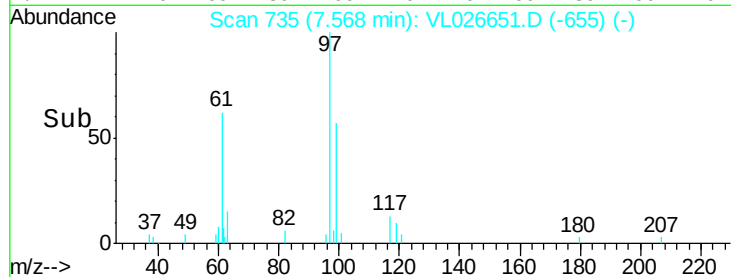
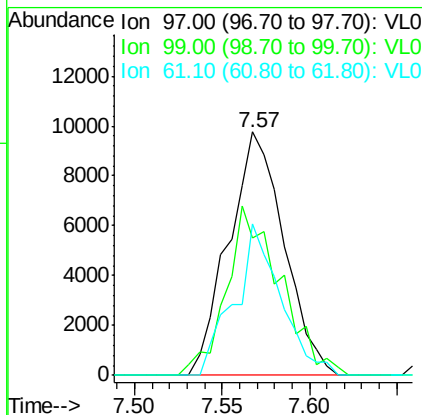
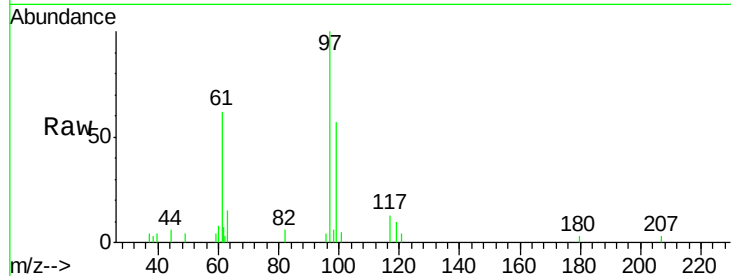
ClientSampleId :

VSTDIC0.1

Tot Ion:	97	Resp:	21570
Ion	Ratio	Lower	Upper
97	100		
99	67.5	50.8	76.2
61	51.7	38.6	58.0

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#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

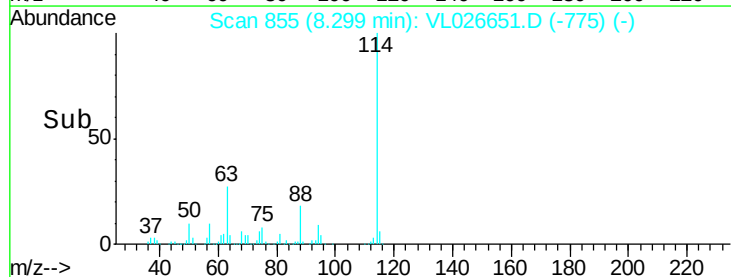
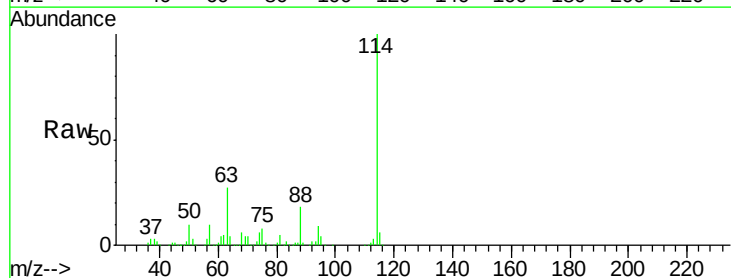
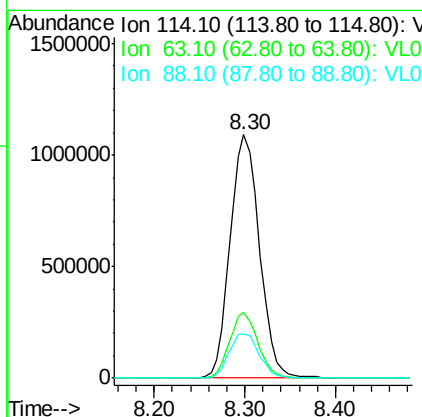
RT: 8.30 min Scan# 855

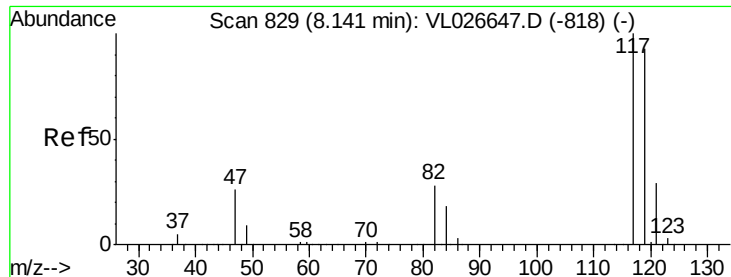
Delta R.T. -0.01 min

Lab File: VL026651.D

Acq: 8 Jan 2016 18:00

Tgt Ion:	114	Resp:	2453651
Ion	Ratio	Lower	Upper
114	100		
63	26.2	21.7	32.5
88	18.8	15.2	22.8





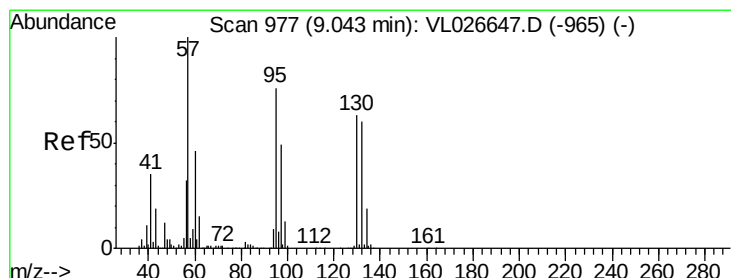
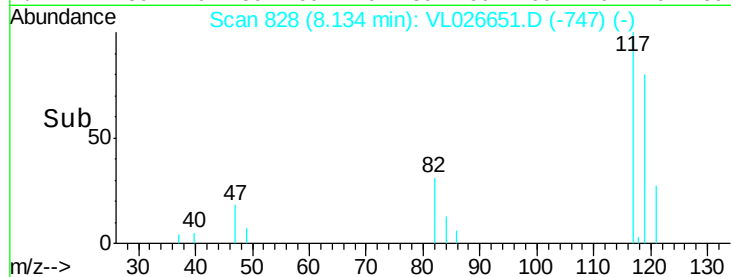
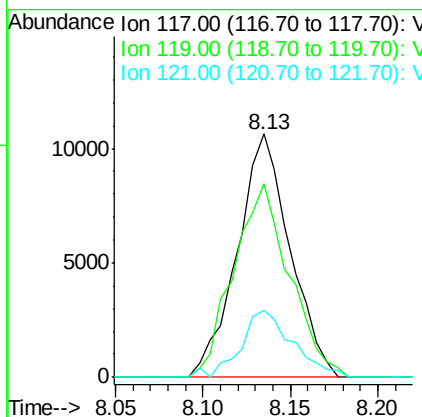
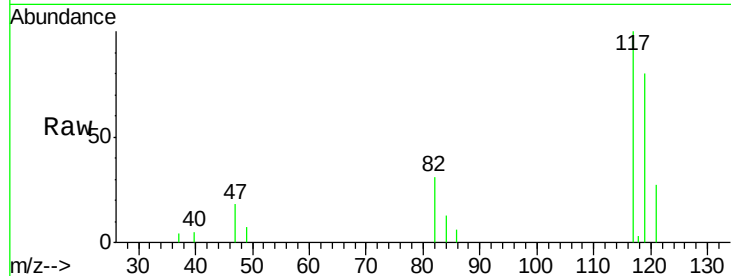
#35
Carbon Tetrachloride
Concen: 0.11 ppbv
RT: 8.13 min Scan# 828
Delta R.T. -0.01 min
Lab File: VL026651.D
Acq: 8 Jan 2016 18:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
117	100		
119	79.7	74.7	112.1
121	27.5	23.1	34.7

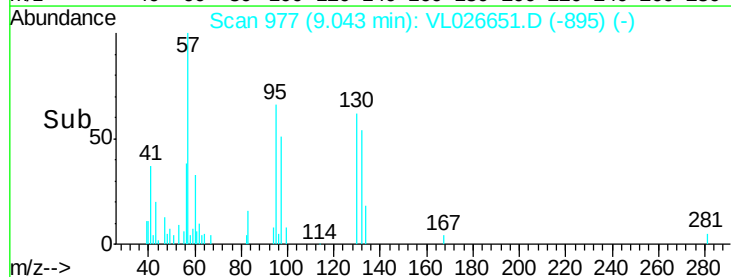
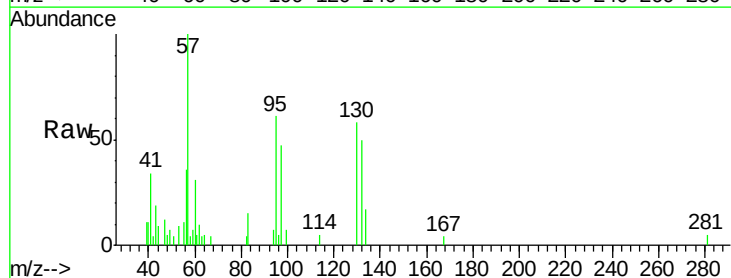
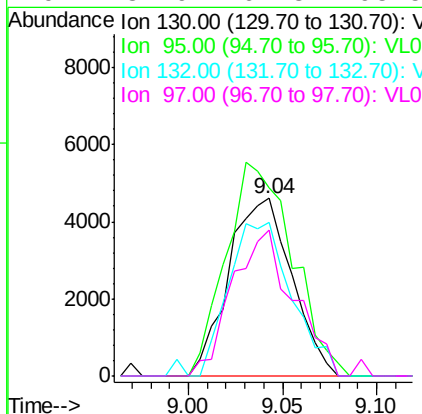
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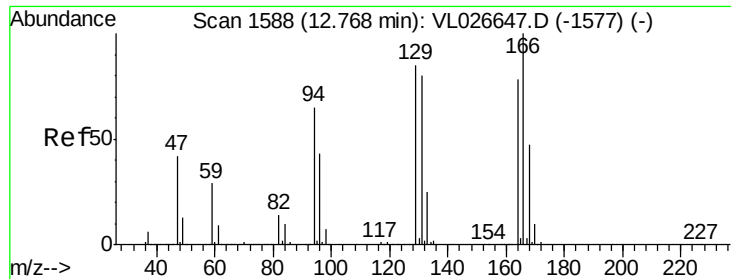
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#38
Trichloroethene
Concen: 0.11 ppbv
RT: 9.04 min Scan# 977
Delta R.T. -0.00 min
Lab File: VL026651.D
Acq: 8 Jan 2016 18:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.5	96.6	145.0
132	86.1	76.2	114.4
97	81.9	62.3	93.5





#52

Tetrachloroethene

Concen: 0.12 ppbv m

RT: 12.76 min Scan# 1586

Delta R.T. -0.01 min

Lab File: VL026651.D

Acq: 8 Jan 2016 18:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion:164 Resp: 12648

Ion Ratio Lower Upper

164 100

166 123.9 102.5 153.7

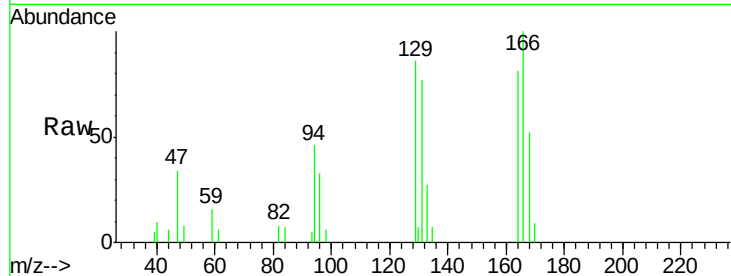
129 106.4 87.0 130.6

131 95.6 82.5 123.7

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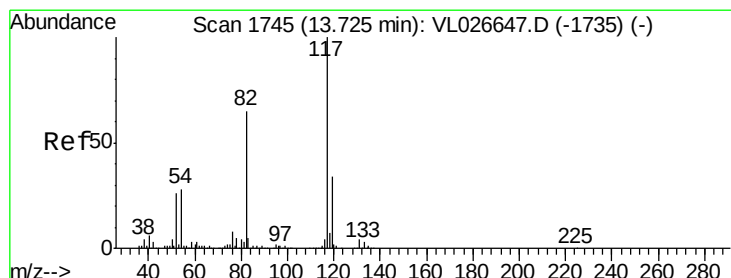
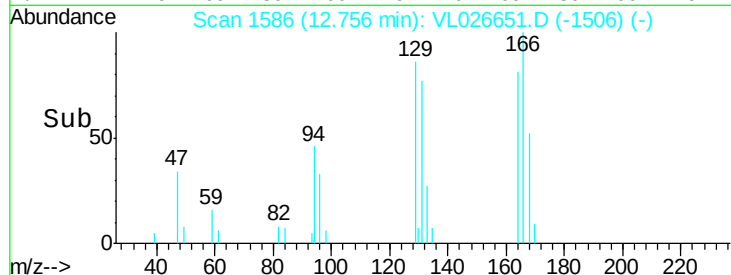
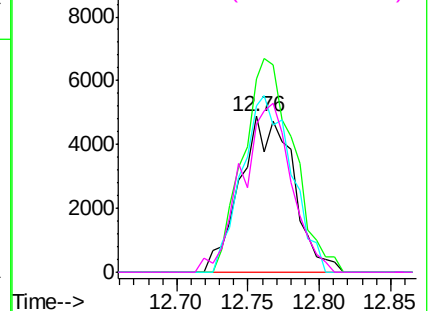


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 13.71 min Scan# 1743

Delta R.T. -0.01 min

Lab File: VL026651.D

Acq: 8 Jan 2016 18:00

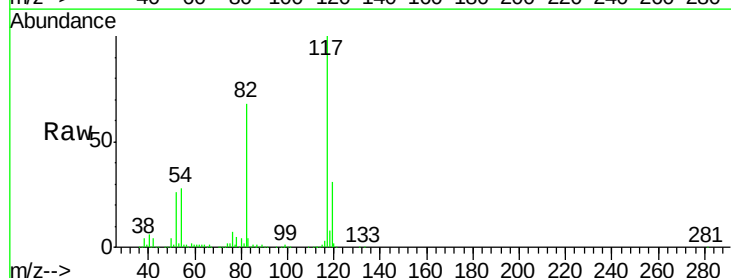
Tgt Ion:117 Resp: 3184011

Ion Ratio Lower Upper

117 100

82 65.9 52.4 78.6

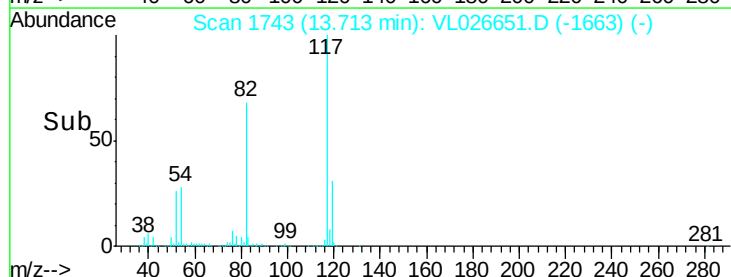
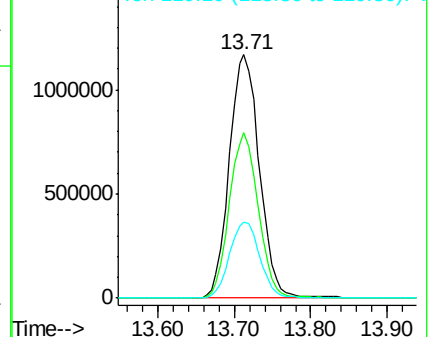
119 31.8 46.1 69.1#

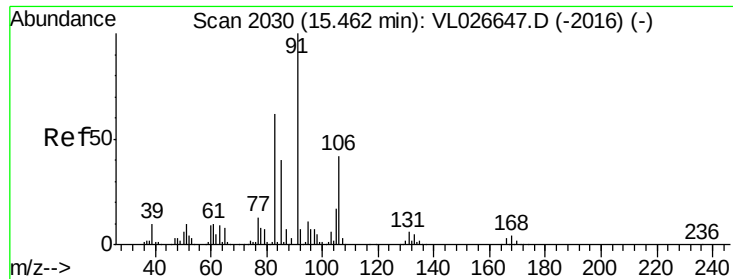


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#63

1,1,2,2-Tetrachloroethane

Concen: 0.13 ppbv

RT: 15.45 min Scan# 2028

Delta R.T. -0.01 min

Lab File: VL026651.D

Acq: 8 Jan 2016 18:00

Instrument :

MSVOA_L

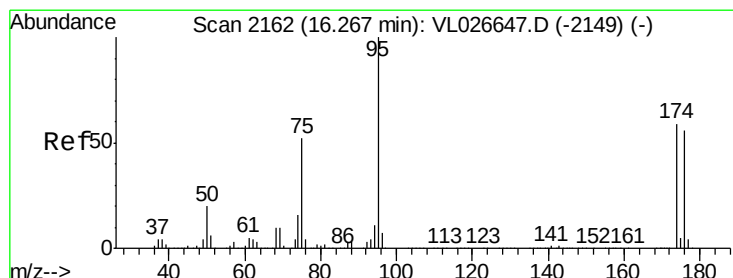
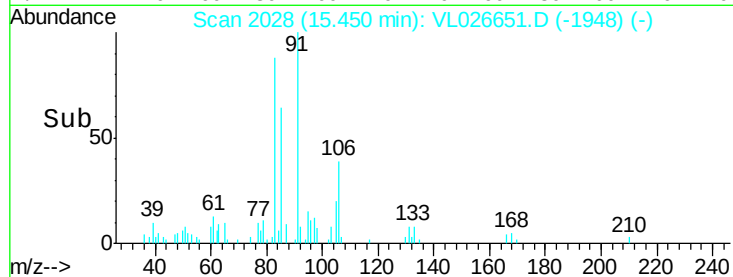
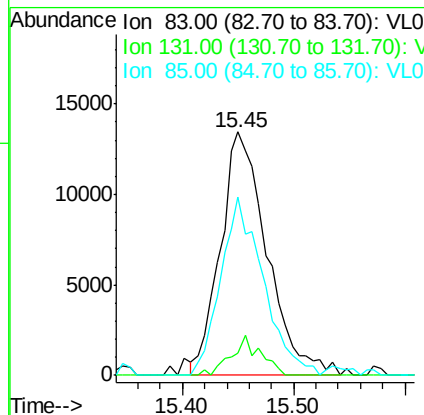
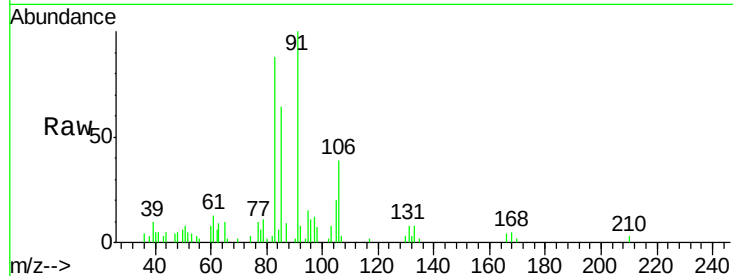
ClientSampleId :

VSTDIC0.1

Tot Ion:	83	Resp:	39100
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.5	13.4
85	68.9	32.6	97.7

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.18 ppbv

RT: 16.25 min Scan# 2160

Delta R.T. -0.01 min

Lab File: VL026651.D

Acq: 8 Jan 2016 18:00

Tgt Ion:	95	Resp:	2612795
Ion Ratio	Lower	Upper	
95	100		
174	60.8	47.8	71.6
175	4.3	3.5	5.3

